

NUMBERS & ODDITIES  
a.k.a. the Spooks Newsletter  
Edition #155, August 2010

EDITOR: Ary Boender      email: [ary@luna.nl](mailto:ary@luna.nl)

Check for previous newsletters, info, sound samples and databases also

|                             |                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------|
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|                             | <a href="http://www.numbersoddities.nl">http://www.numbersoddities.nl</a>               |
| SPY NUMBERS ONLINE DATABASE | <a href="http://www.spynumbers.com/numbersDB/">http://www.spynumbers.com/numbersDB/</a> |
| UTILITY DXERS FORUM (UDXF)  | <a href="http://www.udxf.nl">http://www.udxf.nl</a>                                     |

Hi all. The Buzzer was hot in August and in the first days of September. See the Various Modes section for more information.

Further a lot of information about V24, M94, V26 and VTN supplied by T!

\* VOICE STATIONS \*

::: E11a

E11a is one of the most active numbers stations at the moment. Here is the transcript heard by Mike on 13908 kHz, 1730 UTC, 11-8:

```
643/23
44321 46263 69949 09338 13663 27210 10562 47155 85799 55511
27859 26370 70880 91443 95917 51542 60383 09464 74624 30657
49492 68579 56532
out
```

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::: G11

Again a "VAU" message from G11. Logged by Alf on 5815 kHz, 1207 UTC, 15-8. Message: "V70/00". You can find the recording on the N&O website

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::: V13



up (I really must look at that CW station closer some day, build a format for it, maybe then we can assign it an ID). After that the Chinese voice V26 comes online. All of this happens on all three frequencies simultaneously.

Several times one or another frequency has had an error, and ended in mid code group, while the other frequencies continue.

A rather strong indicator that sometimes the CW and the V26 are from the same transmitter occurred on August 30, 2010. The 4 x 4 modem in LSB never came on using the 9153 kHz frequency that day, but the CW did proceed the V26 voice as it normally does. However, the CW was NOT the standard tone. Instead it was keying on and off the very heavy background noise (possible digital modem) that was heard first during the August 28 V26 TX on 9153. When the V26 later started on 9153 kHz it included the same background noise for the entire duration of the transmission.

There is also an indicator that there are multiple transmitters involved and that this might be a network, vs a single site. On August 31, 2010, the 4 x 4 modem was up multiple times, as it often is, and starting at 1341:24 it came up in LSB as normal, but it had the same heavy noise on the USB side as the V26 voice had displayed for the last few days. The noise turned on exactly when the 4 x 4 did. The 4 x 4 ended at 1344:01 and the noise continued, indicating the TX was still on. Also, when the 4 x 4 modem ended the noise on the USB side immediately increased, as might be expected of the ALC if you removed a portion of the TX drive. The noise stayed up until the next CW cycle began.

It appears the transmitters are often left on after the message is done for a significant time. When conditions are very good I can hear the USB transmitter idling with a slight hum, and when the transmission was in AM the carrier often stays up, sometimes for more than an hour after the message is complete.

The start time schedule still appears VERY loose, particularly for V26. I find the start time for the 4 x 4 modem is fairly consistent by comparison (still varies though). My suspicion is that since the 4 x 4 and then the CW station must complete before V26 starts any variation in those two causes an inchworm affect on V26, moving the start time for it.

Several times I have caught voice transmissions before or between the three modes. The voice is in Chinese and has been both OM and YL. Some appear to have the format of tactical calls. I have never caught them conflicting with the 4 x 4 modem, the CW station, or V26, so I suspect they may be coordinated.

Below I am only reporting the V26 transmissions I have recordings of so far this month. In many cases (anytime I was at the radio during a record) I checked the other frequencies and they were also active but as I was checking casually I did not log it."

August 2010 logs:

| Frequency | Rec | start/end time        | Date   | Remarks                                                                       |
|-----------|-----|-----------------------|--------|-------------------------------------------------------------------------------|
| 9153      | USB | 0939:53 - 1017:47 UTC | Aug 1  |                                                                               |
| 9153      | USB | 1342:32 - 1412:59 UTC | Aug 1  |                                                                               |
| 9153      | USB | 1016:06 - 1100 UTC    | Aug 2  | Rec ended 1100 UTC with V26 still on air                                      |
| 9153      | USB | 1327:05 - 1353:50 UTC | Aug 2  |                                                                               |
| 9153      | AM  | 0947:51 - 1026:55 UTC | Aug 3  | carrier stayed up until after recording ended at 1115 UTC                     |
| 9153      | USB | 1334:26 - 1406:43 UTC | Aug 3  |                                                                               |
| 9153      | USB | 0945:56 - 1025:40 UTC | Aug 4  |                                                                               |
| 9153      | USB | 1341:26 - 1412:03 UTC | Aug 4  |                                                                               |
| 9153      | USB | 0947:03 - 1020:42 UTC | Aug 5  |                                                                               |
| 9153      | USB | 1335:11 - 1400 UTC    | Aug 5  | Rec ended 1400 UTC with V26 still on air                                      |
| 9153      | USB | 0956:01 - ca 1020 UTC | Aug 6  | conditions very bad                                                           |
| 9153      | USB | ca 1331 - ca 1357 UTC | Aug 6  | conditions very bad                                                           |
| 9153      | USB | 1345:35 - 1419:32 UTC | Aug 7  |                                                                               |
| 9153      | USB | 0948:50 - 1033:02 UTC | Aug 8  |                                                                               |
| 9153      | USB | 1340:10 - 1416:46 UTC | Aug 8  |                                                                               |
| 7553      | USB | 0904:21 - 0919:27 UTC | Aug 9  | ended mid group                                                               |
| 9153      | USB | 0904:21 - 0919:27 UTC | Aug 9  | ended mid group                                                               |
| 7553      | USB | 1042:37 - 1100 UTC    | Aug 9  | Rec ended 1100 UTC with V26 still on air                                      |
| 9153      | USB | 1042:37 - 1100 UTC    | Aug 9  | Rec ended 1100 UTC with V26 still on air                                      |
| 9153      | USB | 1440:10 - 1445 UTC    | Aug 9  | Rec ended 1445 UTC with V26 still on air                                      |
| 9153      | USB | 1007:09 - 1130 UTC    | Aug 10 | Rec ended 1130 UTC with V26 still on air                                      |
| 7553      | USB | 1343:43 - 1356:15 UTC | Aug 10 | ended mid group                                                               |
| 9153      | USB | 1343:43 - 1404:05 UTC | Aug 10 | ended mid group but later than 7553 transmission did                          |
| 9153      | USB | 1010:22 - 1040:30 UTC | Aug 11 | started in mid group and also ended in mid group                              |
| 7553      | USB | 1340:36 - 1416:07 UTC | Aug 11 |                                                                               |
| 9153      | USB | 1340:36 - 1416:07 UTC | Aug 11 |                                                                               |
| 9153      | USB | 0934:32 - 1002:44 UTC | Aug 12 |                                                                               |
| 7553      | AM  | 1330:41 - 1351:56 UTC | Aug 12 | carrier stayed up until after my recording ended at 1500 UTC                  |
| 9153      | USB | 1330:41 - 1351:56 UTC | Aug 12 |                                                                               |
| 9153      | USB | 0941:25 - 1015:55 UTC | Aug 13 | transmitter stayed up until at least after 1047 UTC slight hum could be heard |
| 7553      | USB | 1339:17 - 1408:50 UTC | Aug 13 |                                                                               |
| 9153      | USB | 1339:17 - 1408:50 UTC | Aug 13 |                                                                               |
| 9153      | USB | 0934:47 - 1010:59 UTC | Aug 14 |                                                                               |
| 7553      | USB | 1339:17 - 1407:31 UTC | Aug 14 |                                                                               |
| 9153      | USB | 1339:17 - 1345:24 UTC | Aug 14 | ended mid group                                                               |
| 9153      | USB | 0949:28 - 1026:45 UTC | Aug 15 |                                                                               |
| 7553      | USB | 1334:38 - 1403:46 UTC | Aug 15 |                                                                               |
| 9153      | USB | 1334:38 - 1403:46 UTC | Aug 15 |                                                                               |
| 9153      | USB | 1005:21 - 1048:19 UTC | Aug 16 |                                                                               |
| 7553      |     | 1315:10 - 1348:14 UTC | Aug 16 | carrier only no modulation at all                                             |

|      |                           |        |                                                                                                          |
|------|---------------------------|--------|----------------------------------------------------------------------------------------------------------|
| 9153 | 1315:10 - 1348:14 UTC     | Aug 16 | carrier only no modulation at all                                                                        |
| 7553 | USB 1350:23 - 1424:16 UTC | Aug 16 |                                                                                                          |
| 9153 | USB 1350:23 - 1412:03 UTC | Aug 16 | ended mid group                                                                                          |
| 9153 | USB 1421:58 - 1500 UTC    | Aug 17 | Rec ended 1500 UTC with V26 still on air                                                                 |
| 7553 | USB 1347:17 - 1415:30 UTC | Aug 18 |                                                                                                          |
| 9153 | USB 1347:17 - 1415:30 UTC | Aug 18 |                                                                                                          |
| 9153 | USB 1335:49 - 1402:09 UTC | Aug 19 |                                                                                                          |
| 7553 | USB 1450:42 - 1500 UTC    | Aug 20 | Rec ended 1500 UTC with V26 still on air                                                                 |
| 9153 | USB 1450:42 - 1500 UTC    | Aug 20 | Rec ended 1500 UTC with V26 still on air                                                                 |
| 9153 | USB 0940:37 - 1014:52 UTC | Aug 21 |                                                                                                          |
| 7553 | USB 1340:58 - 1349:56 UTC | Aug 21 | stopped mid group                                                                                        |
| 9153 | USB 1340:58 - 1349:56 UTC | Aug 21 | stopped mid group                                                                                        |
| 9153 | USB 1447:35 - 1531 UTC    | Aug 25 | Rec ended 1531 UTC with V26 still on air                                                                 |
| 9153 | USB 1337:42 - 1411:13 UTC | Aug 27 |                                                                                                          |
| 7553 | USB 1017:04 - 1030 UTC    | Aug 28 | Rec ended 1030 UTC with V26 still on air                                                                 |
| 7553 | AM 1342:42 - 1430 UTC     | Aug 28 | Rec ended 1430 UTC with V26 still on air                                                                 |
| 9153 | USB 1342:42 - 1430 UTC    | Aug 28 | Rec ended 1430 UTC with V26 still on air                                                                 |
|      |                           |        | Very heavy noise on the audio might be a digital modem mixed with the YL voice                           |
| 7553 | USB 1333 - 1417:20 UTC    | Aug 29 | the 9153 freq never came on at all on Aug 29 in any time slot or in any mode (4 x 4 CW USB AM)           |
| 9153 | USB 0957:40 - 1043:13 UTC | Aug 30 | same heavy noise (might be dig modem) as heard on Aug 28 1342.                                           |
| 9153 | USB 1036:38 - 1105 UTC    | Aug 31 | Rec ended 1105 UTC with V26 still on air same heavy noise (might be dig modem) as heard on Aug 28, 1342. |
| 9153 | USB 1349:20 - 1355:09 UTC | Aug 31 | same heavy noise first seen on Aug 28 transmission.                                                      |
| 9153 | USB 1426:55 - 1500 UTC    | Aug 31 | Rec end at 1500 UTC with V26 still on air Aug 31. Same heavy noise first seen on Aug 28 transmission.    |

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VTN

Another report from T!. This time re the Vietnamese numbers station, 10255 kHz. Read his observations for August, 2010.

"The Vietnamese numbers station on 10255 kHz USB at about 1600 UTC has continued to transmit near daily during the month of August. This month there have been more 71 transmissions that I have received here.

The station is still most commonly sending three message bodies a day between the times of 1557 and 1630 UTC. The message is still the same 42 group message it first started sending on April 22, 2010, this message is about 3 minutes and 30 seconds long.

The schedule has become a bit more stable, with many messages being sent within a few seconds of the time it was sent the proceeding day. There does seem to be a slow drift in the times of each transmission, with each one being a little earlier each day. This results in the occasional larger jump as message times are shifted to keep spacing between them. There are still occasional days when the transmission times are chaotic.

In general the first transmission starts at about 1557:45 UTC (+/- 20 seconds). The second transmission starts at about 1602:30 UTC (+/- 40 seconds). The third transmission starts at about 1607:45 (+/- 1 minute). Typically the station is complete by 1613 UTC, making the prime window to receive this station from 1557 to 1613 UTC.

My VTN web site ([http://token\\_radio.home.mchsi.com/VTN.htm](http://token_radio.home.mchsi.com/VTN.htm)) is being updated with all of my past receptions of this station, so you can see the timing trends there for yourself."

- August 2010 logs.

Frequency: 10255 kHz.

Language: Vietnamese.

Voice: Male.

Message: All messages consist of 42 five figure groups.

|         |                        |                        |                       |
|---------|------------------------|------------------------|-----------------------|
| 01 Aug. | 1557:55 UTC first msg, | 2nd msg start 1603:32, | 3rd msg start 1609:10 |
| 02 Aug. | 1557:53 UTC first msg, | 2nd msg start 1603:01, | 3rd msg start 1608:08 |
| 03 Aug. | No transmission heard  |                        |                       |
| 04 Aug. | 1557:54 UTC first msg, | 2nd msg start 1603:00, | 3rd msg start 1608:08 |
| 05 Aug. | 1557:52 UTC first msg, | 2nd msg start 1602:58, | 3rd msg start 1608:06 |
| 06 Aug. | 1557:51 UTC first msg, | 2nd msg start 1602:58, | 3rd msg start 1608:05 |
| 07 Aug. | 1557:49 UTC first msg, | 2nd msg start 1602:55, | 3rd msg start 1608:03 |
| 08 Aug. | 1557:52 UTC first msg, | 2nd msg start 1602:59, | 3rd msg start 1608:06 |
| 09 Aug. | 1557:49 UTC first msg, | 2nd msg start 1602:56, | 3rd msg start 1608:03 |
| 10 Aug. | 1557:49 UTC first msg, | 2nd msg start 1602:54, | 3rd msg start 1608:02 |
| 11 Aug. | 1557:49 UTC first msg, | 2nd msg start 1602:56, | 3rd msg start 1608:02 |
| 12 Aug. | 1557:45 UTC first msg, | 2nd msg start 1602:52, | 3rd msg start 1608:00 |
| 13 Aug. | 1557:47 UTC first msg, | 2nd msg start 1602:53, | 3rd msg start 1608:00 |
| 14 Aug. | 1557:45 UTC first msg, | 2nd msg start 1602:52, | 3rd msg start 1607:59 |
| 15 Aug. | No transmission heard  |                        |                       |
| 16 Aug. | No transmission heard  |                        |                       |
| 17 Aug. | 1557:42 UTC first msg, | 2nd msg start 1602:49, | 3rd msg start 1607:56 |
| 18 Aug. | No transmission heard  |                        |                       |
| 19 Aug. | No transmission heard  |                        |                       |
| 20 Aug. | 1601:21 UTC first msg, | 2nd msg start 1605:05  |                       |
| 21 Aug. | 1557:38 UTC first msg, | 2nd msg start 1602:45, | 3rd msg start 1607:52 |
| 22 Aug. | 1557:37 UTC first msg, | 2nd msg start 1602:45, | 3rd msg start 1607:53 |
| 23 Aug. | 1557:36 UTC first msg, | 2nd msg start 1602:44, | 3rd msg start 1607:51 |



::: M21a

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::: M22

<<<<<<<<<<-0-0-0-0-0-0-0-0-0-0-0->>>>>>>>>>

::: M89

<<<<<<<<<<-0-0-0-0-0-0-0-0-0-0-0->>>>>>>>>>

::: M94

\* VARIOUS MODES \*

::: S28 - THE BUZZER

Rimantas heard the Buzzer on no less than 10 frequencies on 1 August at 0600 UTC: 4507.19, 4546.46, 4585.73, 4625.00, 4664.27, 4703.54, 4742.81, 4782.08.



4821.35, 4860.62 kHz. So far the highest frequency of the 1st upper parasitic emission was 4668.50, the lowest 4663.05 kHz.

On August 23 at 1732 UTC the Buzzer transmitted the following voice message: "UVB-76, UVB-76 93 882 naimina 74 14 35 74"; spelled as: "9 3 8 8 2 nikolai, anna, ivan, michail, ivan, nikolai, anna, 7, 4, 1, 4, 3, 5, 7, 4" When you listen carefully, the call sign sounds like UZB-76 instead of UVB-76. Rimantas pointed this out to me. Listening to older messages you can hear that the call sign is not always pronounced in the same way. One time it sounds like UVB and another time as UZB.

The Buzzer has been silent since 1 Sept. Only a carrier has been heard at the time of writing (3 Sept). The silence was followed by an endless stream of messages, blogs and discussions on the internet. Lots of "test transmissions" popped up, some sounded authentic, others not.

The transmissions consisted of knocking sounds, excerpts of an EZI transmission, random music, 10 buzzes + short fragment of "Dance of The Little Swans" by Tchaikovsky (30 seconds) + 10 buzzes + long pause. But also 10-counts in Russian read by a male and female, identical to those heard on Russian military channels. Further military morse messages like "VVV RJD56 RJD56 RJD56 DE RJP99 RJP99 QSA? QTC K. RJP99 279 17 3 0116 279 = FOR RJH74 4JH74 = 02211 99696 10353 42598 73310 10071 40189 52022 875// 22272 00071 20403 88000 80000 03014 = AR RJP99 K. RJP99 OK QRU K". I saw this message a couple of times. It looks authentic but I wonder if it is a real message. At one point a pirate who was calling himself UVB-76 asked for a repeat of the message and they did repeat it. Would RJP99 resend a message when a pirate requested this? Further code voice messages were transmitted in Russian and many times a question mark was sent in morse during a period of time. Finally morse messages from UVB-76 were addressed to Ryan and me (Goeienavond Ary, meaning Good evening Ary).

As I said, a number of transmissions sounded very authentic and were possibly partly original military messages. What I heard during the evening of 2 Sept. was most possibly not authentic. Like the morse messages sent to Ryan and me and to military callsigns, knocking sounds, the EZI transmission, RJP99 who sent a message on request of pirate UVB-76. I seriously doubt that this is genuine military stuff. Some of the coded messages sounded as if they were copied from another transmission, just like EZI. I might be wrong of course :-)

Another thing why I think that not all is genuine is the signal strength of the stations. If the music, morse (?-mark and others), buzzer and counts were transmitted from the Buzzer's location than I would expect that the signal would be the same but the morse stations and counting stations were much louder than the music and the buzzer.

Check <http://soundcloud.com/user7389220/tracks> for a several interesting recordings.

"Illegally" produced pictures from inside UVB-76 were posted to the web:  
<http://englishrussia.com/index.php/2010/08/28/inside-the-mysterious-uvb-76-station/>

It is very unlikely that this is inside UVB-76, though. The stuff on the pictures is mostly power supply equipment, not a radio station. Probably a former ICBM silo, the visitors are protected from aggressive rocket fuel.

It was fun to listen to this activity on 4625 kHz. Also thanks to all of you who posted their findings and thoughts: Rimantas, Ryan, Hugh, Pavel, Mark, Michael, Tom, Gene and many others.

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::: S30 - THE PIP

The Pip was active on both its day and nighttime frequencies. During a couple of weeks it was slightly off frequency and also the speed of the pips changed a couple of times. During several days it was very slow.

Frequencies: 3756 and 5448 kHz. Slowly shifted from 3755.2 to 3756.8 kHz and back to its usual frequency.

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::: M42 & X06

```

19110.0 0832 02-8 Russian Gov/Intel. 5LGs. Mode: Baudot 75/500
 9450.0 0807 03-8 Mazielka. Sequence: 165423
 9930.0 0523 04-8 Mazielka. Sequence: 256134 until 0614 UTC. Then it started
                    again two minutes later and stopped at 0620 UTC.
10202.0 1835 05-8 Mazielka. Sequence: 215346
16320.0 0630 06-8 Mazielka. Sequence: 241563
14650.0 0740 06-8 Mazielka. Sequence: 215346
14650.0 0850 06-8 Mazielka. Sequence: 215346
19110.0 0832 09-8 Russian Mil/Intel. Five letter groups. Mode: Baudot 75/500
 6818.0 1601 16-8 Mazielka. Sequence: 452163
10874.0 1432 17-8 Russian Gov/Intel. 5FG message with =50= group count.
                    Mode: Baudot 50/500
 9043.0 0015 18-8 Russian Gov/Intel. RYs, 5FGs using "=50=" separator & UTC
                    time, " -0018" Mode: Baudot 50/500
16167.0 0848 18-8 Russian Gov/Intel. Traffic. Mode: CROWD-36
 8100.0 1106 19-8 Mazielka. 2-tone signal
16059.5 0704 19-8 Russian Gov/Intel. Mode: RUS-ARQ 100/2000
12157.0 1434 24-8 Mazielka. Sequence: 156423. Then, after around 40secs, it
                    changed to 165423!

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Gary has been busy with his whale hunt. He has copied a number of these sounds and writes that he has noticed a significant increase in Whales/Feedback activity in June and July.

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Only one log this month: 9176.35 kHz, 1610 UTC, 19-8

5118.0 Russian Mil: EHLV clg YRL3

5881.0 Russian Navy Kaliningrad. RMP clg RJL98 and RIQ97

5322.0 Russian warship RBIZ wkg RCV (Sevastopol) QSX 4851 kHz, after CW OP-chat on 8014 kHz.

5456.0 Russian Navy: RGR35 wkg RMP "zzd1 zzu 4521 zsl?"

5534.0 Russian Navy: "RJCC66 de RJI57 QSA? QTC K"

6767.0 Russian Mil: MSAE clg NWNL & YWJ3 without success. Then QSA NO, to collective H2PF ZPR K. Probably QSY to alternate frequency.

MSAE: message for IYC3: "MSAE 745 27 24 2302 745 = ZPO 450 = WBIGA MMMMM LW<<U YVXHP ...". Then sends message to YWJ3: "MSAE 837 27 24 2246 837 = ZWD 785 = SBPJX XZXKL ... XZXKL NRPWE 514 K"

6832.0 Russian Navy Kaliningrad: RMP. "QTC 753 147 11 1956 753 = sml = pogody do 1800 .... (wx forecast for 1800z Baltic Sea)

6983.0 Russian Mil: "HQBY QTC 963 32 5 T9T6 963 = 727 = AAAAA"

7871.0 Russian Mil: "LDBO LBDO LBDO QTC 960 30 15 1920 960 = 609 = KAORR DDDDD ..." + 5FGs.

7957.0 Russian Mil: 23LG message ... "VDHL÷ fWPWE 341 K"

7965.0 Russian Navy "RMP QTC 212 21 27 22T2 212 = SML = 11111"

8014.0 Russian Navy: RCV wkg RBIZ. OP-chat "QYT4 QWH 4851 QSX 5322" into CIS-MPSK12 tfc (=QYT4) on 4851 kHz (=RCV) and 5322 kHz (=RBIZ).

Russian war ship RBIZ wkg RCV. OP-chat "QYT4 QSX 485\_/QWH 6308".

8270.0 Russian Navy RFK99 wkg RIW

8525.0 Russian Navy Moscow: RIW wkg RFK99 "ZZD? k" then online encrypted tfc

8788.0 Russian Navy: "... 00005 00612 40016 00006 00612 50017 00102 00612 40011 AR"

8794.0 Russian Navy Moscow: RIW wkg RFK99

8816.0 Russian Naval Air Transport. 30603 msg to RJF94 and RCB: "QTO 1305 QRD URKA (Anapo Airport) XUMO QRE 1645 QAH 5100 QBD 4800 k"

8934.0 CIS Mil: K7MB duplex radio check with PG7Z, JZBX and 1KAR.

9145.0 Russian Navy: "RKW95 de RIW QSA1 QRV K", "RIW NR 286 RPT 5 K",  
"RIW QSL 286 K. RIW R K", "RCIG de RIW QSU1 SK"

10543.0 Russian Navy: RCV

11155.0 Russian Navy: RIT

12227.0 Russian Mil: NM9D in op chat with Cyrillic chars, then into traffic  
"519 1210 854 = 727 = PPPPP" then into 5LG with more Cyrillic characters

12464.0 Russian Navy "RIW DE RHQ33 QTC 913 10 24 2245 913 = SML ="

12904.0 Russian Navy: "RJT22 DE RJH25 QSA?"

14556.0 Russian Navy: "RCRE de RIW QYT4 QSA?"

†

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::: POLISH PIP

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::: UNID STATION

6815 kHz: SV1TEST: Unid Greek beacon heard on various days and times.



28915 kHz.

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\* LOGS SECTION \*

|        |     |                                                                                                              |
|--------|-----|--------------------------------------------------------------------------------------------------------------|
| 2680   | M22 | Mode: CW Date/time: 31-8-2010, 2058 UTC<br>Remarks: 4XZ: Israeli Navy Haifa Contr: (MPJ)                     |
| 3246.5 | M21 | Mode: CW Date/time: 20-8-2010, 2334 UTC<br>Remarks: =990334??0????? Contr: (JP-SE)                           |
| 3270   | E10 | Mode: AM Date/time: 10-8-2010, 2000 UTC<br>Remarks: ULX gr10 WMAFX Contr: (AB)                               |
| 3297   | M89 | Mode: CW Date/time: 7-8-2010, 1721 UTC<br>Remarks: V GKVZ GKVZ GKVZ de Q7NW Q7NW Contr:<br>(AB-HK)           |
| 3297   | M89 | Mode: CW Date/time: 8-8-2010, 2049 UTC<br>Remarks: V GKVZ GKVZ GKVZ DE Q7NW Q7NW Contr:<br>(JPL-HK)          |
| 3297   | M89 | Mode: CW Date/time: 14-8-2010, 1210 UTC<br>Remarks: V GKVZ GKVZ GKVZ de Q7NW Q7NW (AB-<br>HK) Contr: (AB-HK) |
| 3297   | M89 | Mode: CW Date/time: 20-8-2010, 1735 UTC<br>Remarks: V GKVZ GKZV GKVZ de Q7NW Q7NW Contr:<br>(AB-HK)          |
| 3297   | M89 | Mode: CW Date/time: 30-8-2010, 1857 UTC<br>Remarks: V GKVZ DE Q7NW Contr: (JPL-HK)                           |
| 3297   | M89 | Mode: CW Date/time: 31-8-2010, 1419 UTC<br>Remarks: V GKVZ DE Q7NW Contr: (JPL-HK)                           |
| 3327   | M89 | Mode: CW Date/time: 7-8-2010, 1721 UTC<br>Remarks: V QPZM QPZM QPZM de WOXN WOXN<br>Contr: (AB-HK)           |
| 3367   | M89 | Mode: CW Date/time: 20-8-2010, 1747 UTC<br>Remarks: V ZKT5 ZKT5 ZKT5 de UWM2 UWM2 Contr:<br>(AB-HK)          |
| 3534   | MX  | Mode: CW Date/time: 2-8-2010, 2145 UTC<br>Remarks: Channel marker "V" Contr: (AB)                            |
| 3630   | XM  | Mode: USB Date/time: 22-8-2010, 2350 UTC<br>Remarks: Whales Contr: (lasse)                                   |
| 3631   | XM  | Mode: USB Date/time: 3-8-2010, 2239 UTC<br>Remarks: Whales. Variable Contr: (GN2)                            |
| 3632   | XM  | Mode: USB Date/time: 3-8-2010, 2056 UTC<br>Remarks: Very loud whale sound Contr: (AB)                        |
| 3632   | XM  | Mode: USB Date/time: 6-8-2010, 2110 UTC<br>Remarks: Whales Contr: (AB)                                       |
| 3632.2 | MX  | Mode: CW Date/time: 6-8-2010, 2110 UTC<br>Remarks: "V" channel marker Contr: (AB)                            |
| 3641   | M89 | Mode: CW Date/time: 7-8-2010, 1732 UTC                                                                       |



|         |       |                                                                                                                 |
|---------|-------|-----------------------------------------------------------------------------------------------------------------|
|         |       | Remarks: V DKG6 DKG6 DKG6 DE 3A7D 3A7D Contr:<br>(AB-HK)                                                        |
| 3755.2  | S30   | Mode: CW Date/time: 11-8-2008, 2016 UTC<br>Remarks: the Pip, night freq Contr: (Lasse)                          |
| 3756    | S30   | Mode: CW Date/time: 6-8-2010, 2115 UTC<br>Remarks: Pip Contr: (AB)                                              |
| 3828.4  | S32   | Mode: USB Date/time: 12-8-2010, 2125 UTC<br>Remarks: Squeaky Wheel slightly off freq. Contr: (AB)               |
| 3828.9  | S32   | Mode: USB Date/time: 3-8-2010, 2056 UTC<br>Remarks: Squeaky Wheel Contr: (AB)                                   |
| 3848.36 | OL032 | Mode: FEC 100/170 Date/time: 17-8-2010, 1013 UTC<br>Remarks: Czech Intel. Encrypt msg. Contr: (Alf)             |
| 3881    | M51   | Mode: CW Date/time: 18-8-2010, 0833 UTC<br>Remarks: vvv de FAV22 FAV22 FAV22 QLH 3881//6825<br>kHz Contr: (WP3) |
| 4150    | MX    | Mode: CW Date/time: 20-8-2010, 1840 UTC<br>Remarks: Channel marker "V" Khiva Contr: (norave)                    |
| 4150    | MX    | Mode: CW Date/time: 23-8-2010, 2027 UTC<br>Remarks: Channel marker "V" Khiva Contr: (VL)                        |
| 4150    | MX    | Mode: CW Date/time: 23-8-2010, 2124 UTC<br>Remarks: Channel marker "V" Khiva Contr: (AB)                        |
| 4150    | MX    | Mode: CW Date/time: 26-8-2010, 2035 UTC<br>Remarks: Channel marker "V" Khiva Contr: (MPJ)                       |
| 4225    | M89   | Mode: CW Date/time: 17-8-2010, 2116 UTC<br>Remarks: V 7NPE 7NPE 7NPE DE QV5B QV5B Contr:<br>(VL)                |
| 4225    | M89   | Mode: CW Date/time: 20-8-2010, 1730 UTC<br>Remarks: V 7NPE 7NPE 7NPE de QV5B QV5B Contr:<br>(AB-HK)             |
| 4225    | M89   | Mode: CW Date/time: 30-8-2010, 1854 UTC<br>Remarks: V 7NPE DE QV5B Contr: (JPL-HK)                              |
| 4225    | M89   | Mode: CW Date/time: 31-8-2010, 1417 UTC<br>Remarks: V 7NPE DE QV5B Contr: (JPL-HK)                              |
| 4270    | E10   | Mode: AM Date/time: 10-8-2010, 2100 UTC<br>Remarks: PCD gr25 WAJOD Contr: (AB)                                  |
| 4283    | V26   | Mode: LSB Date/time: 1-8-2010, 1413 UTC<br>Remarks: just ended 14:13:31UTC Contr: (Sferix)                      |
| 4325.9  | MX    | Mode: CW Date/time: 23-9-2010, 2126 UTC<br>Remarks: Channel marker "R" Izhevsk Contr: (AB)                      |
| 4331    | MX    | Mode: CW Date/time: 20-8-2010, 1852 UTC<br>Remarks: Channel marker "P" Kaliningrad Contr:<br>(norave)           |
| 4354    | XM    | Mode: USB Date/time: 30-7-2010, 2353 UTC<br>Remarks: Whales. Slow Rise in tones intermittent Contr:<br>(GN2)    |
| 4382    | XM    | Mode: USB Date/time: 17-6-2010, 0010 UTC<br>Remarks: Whales. Rising tones Contr: (GN2)                          |
| 4382    | XM    | Mode: USB Date/time: 18-6-2010, 2258 UTC                                                                        |

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| 4478.0 | M08a | Remarks: Whales. Rising Tones Contr: (GN2)<br>Mode: CW Date/time: Sat 28-8-2010, 1100 UTC<br>Remarks: 5f cut nums: 08721 15872 74072 Good sig.<br>Contr: (westli)                              |
| 4503   | M18  | Mode: CW Date/time: 5-8-2010, 1910 UTC<br>Remarks: 0010 0010 0010 "The Clock" Contr: (FN)                                                                                                      |
| 4503   | M18  | Mode: CW Date/time: 6-8-2010, 2121 UTC<br>Remarks: Time marker Contr: (AB)                                                                                                                     |
| 4503   | M18  | Mode: CW Date/time: 30-8-2010, 1902 UTC<br>Remarks: 0002 0002 etc Contr: (JPL-HK)                                                                                                              |
| 4503   | M18  | Mode: CW Date/time: 31-8-2010, 1432 UTC<br>Remarks: In progress Contr: (JPL-HK)                                                                                                                |
| 4523   | M89  | Mode: CW Date/time: 7-8-2010, 1317 UTC<br>Remarks: V QPZM QPZM QPZM DE WOXN WOXN<br>Contr: (AB-HK)                                                                                             |
| 4523   | M89  | Mode: CW Date/time: 31-8-2010, 1414 UTC<br>Remarks: V QPZM DE WOXN Contr: (JPL-HK)                                                                                                             |
| 4532   | M89  | Mode: CW Date/time: 5-8-2010, 1918 UTC<br>Remarks: V JA3L JA3L JA3L DE UM2T UM2T UM2T<br>Contr: (FN)                                                                                           |
| 4532   | M89  | Mode: CW Date/time: 8-8-2010, 2046 UTC<br>Remarks: V JA3L JA3L JA3L DE UM2T UM2T UM2T<br>Contr: (JPL-HK)                                                                                       |
| 4532   | M89  | Mode: CW Date/time: 20-8-2010, 1741 UTC<br>Remarks: V JA3L JA3L JA3L DE UM2T UM2T Contr:<br>(AB-HK)                                                                                            |
| 4532   | M89  | Mode: CW Date/time: 31-8-2010, 1428 UTC<br>Remarks: V JA3L DE UN2T Contr: (JPL-HK)                                                                                                             |
| 4625   | S28  | Mode: AM Date/time: 1-8-2010, 0600 UTC<br>Remarks: The Buzzer (UVB-76) on 4507.19, 4546.46,<br>4585.73, 4625:00, 4664.27, 4703.54, 4742.81,<br>4782.08, 4821.35, 4860.62 kHz. Contr: (RP)      |
| 4625   | S28  | Mode: AM Date/time: 20-8-2010, 1903 UTC<br>Remarks: Buzzer Contr: (norave)                                                                                                                     |
| 4625   | S28  | Mode: AM Date/time: 24-8-2010, 0415 UTC<br>Remarks: Buzzer 4625//4665.6 kHz Contr: (RP)                                                                                                        |
| 4625   | S28  | Mode: various Date/time: 2-9-2010, 1700 UTC<br>Remarks: Lots of pirate activity after the Buzzer went off<br>the air. Music: Swan Lake. Pseudo military morse<br>messages; knockin Contr: (AB) |
| 4665.6 | S28  | Mode: AM Date/time: 24-8-2010, 0415 UTC<br>Remarks: Buzzer 4625//4665.6 kHz Contr: (RP)                                                                                                        |
| 4720.0 | ---  | Mode: AM Date/time: Sat 21-8-2010, 0300 UTC<br>Remarks: Very weak and distorted, but is a numbers.<br>Male voice. Contr: (BCA)                                                                 |
| 4860   | M89  | Mode: CW Date/time: 2-8-2010, 1720 UTC<br>Remarks: VVV Q2M DE NYZ (R5) (Mon) //6840 kHz<br>Contr: (JPL-HK)                                                                                     |

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| 4860   | M89  | Mode: CW Date/time: 7-8-2010, 1323 UTC<br>Remarks: VVV Q2M Q2M Q2M DE NYZ NYZ //6840 kHz.<br>Ends at 1325 UTC Contr: (AB-HK) |
| 4860   | M89  | Mode: CW Date/time: 14-8-2010, 1323 UTC<br>Remarks: VVV Q2M Q2M Q2M DE NYZ NYZ //6840 kHz<br>Contr: (AB)                     |
| 4860   | M89  | Mode: CW Date/time: 31-8-2010, 1420 UTC<br>Remarks: VVV Q2M DE NYZ Contr: (JPL-HK)                                           |
| 4880   | E10  | Mode: AM Date/time: 10-8-2010, 2000 UTC<br>Remarks: ULX gr10 WMAFX Contr: (AB)                                               |
| 4909   | E11  | Mode: USB Date/time: Sat 28-8-2010, 1405 UTC<br>Remarks: 2###/00 Contr: (HFD)                                                |
| 5075   | M01b | Mode: CW Date/time: Thu 5-8-2010, 1902 UTC<br>Remarks: 336-25/163=34561 //5465 kHz Contr: (HFD)                              |
| 5117.0 | V02a | Mode: USB Date/time: Sun 1-8-2010, 0004 UTC<br>Remarks: Contr: (ranger)                                                      |
| 5146.5 | XM   | Mode: USB Date/time: 17-8-2010, 2346 UTC<br>Remarks: Feedback/Whales. Variable pitches Contr:<br>(GN2)                       |
| 5152   | G06  | Mode: AM Date/time: Mon 2-8-2010, 1800 UTC<br>Remarks: 892 0 Contr: (HFD)                                                    |
| 5153.7 | MX   | Mode: CW Date/time: 11-8-2010, 2153 UTC<br>Remarks: Beacon "D" Odessa/Sevastopol Contr: (MPJ)                                |
| 5153.7 | MX   | Mode: CW Date/time: 23-8-2010, 2029 UTC<br>Remarks: Beacon "D" Sevastopol Contr: (VL)                                        |
| 5153.7 | MX   | Mode: CW Date/time: 31-8-2010, 2003 UTC<br>Remarks: Beacon "D" Contr: (MPJ)                                                  |
| 5153.8 | MX   | Mode: CW Date/time: 11-8-2010, 2153 UTC<br>Remarks: Beacon "P" Kaliningrad Contr: (MPJ)                                      |
| 5153.8 | MX   | Mode: CW Date/time: 23-8-2010, 2030 UTC<br>Remarks: Beacon "P" Kaliningrad Contr: (VL)                                       |
| 5153.8 | MX   | Mode: CW Date/time: 31-8-2010, 2003 UTC<br>Remarks: Beacon "P" Contr: (MPJ)                                                  |
| 5153.9 | MX   | Mode: CW Date/time: 23-8-2010, 2032 UTC<br>Remarks: Beacon "S" Severomorsk Contr: (VL)                                       |
| 5153.9 | MX   | Mode: CW Date/time: 31-8-2010, 2003 UTC<br>Remarks: Beacon "S" Contr: (MPJ)                                                  |
| 5231   | E11  | Mode: USB Date/time: Mon 9-8-2010, 0610 UTC<br>Remarks: 262/00 Contr: (HFD)                                                  |
| 5310   | M89  | Mode: CW Date/time: 8-8-2010, 2100 UTC<br>Remarks: V QPZM QPZM QPZM DE WOXN WOXN<br>Contr: (JPL-HK)                          |
| 5310   | M89  | Mode: CW Date/time: 15-8-2010, 1030 UTC<br>Remarks: V QPZM DE WOXN Contr: (JPL-HK)                                           |
| 5310   | M89  | Mode: CW Date/time: 20-8-2010, 1733 UTC<br>Remarks: V QPZM QPZM QPZM de WOXN WOXN<br>Contr: (AB-HK)                          |
| 5310   | M89  | Mode: CW Date/time: 30-8-2010, 1851 UTC                                                                                      |

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| 5321 | M89  | Remarks: V QPZM DE WOXN Contr: (JPL-HK)<br>Mode: CW Date/time: 5-8-2010, 2117 UTC<br>Remarks: V MB3R MB3R MB3R DE YA6X YA6X Contr:<br>(ALF) |
| 5404 | XM   | Mode: USB Date/time: 17-6-2010, 0010 UTC<br>Remarks: Whales. Rising Tones Contr: (GN2)                                                      |
| 5432 | E11  | Mode: USB Date/time: Wed 18-8-2010, 0540 UTC<br>Remarks: 273/33 Contr: (HFD)                                                                |
| 5442 | XM   | Mode: USB Date/time: 20-7-2010, 2339 UTC<br>Remarks: Whales. 2-3 Tone rising Contr: (GN2)                                                   |
| 5448 | S30  | Mode: CW Date/time: 11-8-2010, 0429 UTC<br>Remarks: the Pip on its daytime freq. Contr: (AB)                                                |
| 5453 | XM   | Mode: USB Date/time: 15-6-2010, 2351 UTC<br>Remarks: Whales. Rising tones Contr: (GN2)                                                      |
| 5453 | XM   | Mode: USB Date/time: 18-6-2010, 2322 UTC<br>Remarks: Whales. Rising Tones Contr: (GN2)                                                      |
| 5453 | XM   | Mode: USB Date/time: 20-6-2010, 2219 UTC<br>Remarks: Whales. Rising Tones Contr: (GN2)                                                      |
| 5453 | XM   | Mode: USB Date/time: 29-6-2010, 2355 UTC<br>Remarks: Whales. Rising Tones Contr: (GN2)                                                      |
| 5465 | M01b | Mode: CW Date/time: Thu 5-8-2010, 1902 UTC<br>Remarks: 336-25/163=34561 //5075 kHz Contr: (HFD)                                             |
| 5466 | MX   | Mode: CW Date/time: 23-8-2010, 2021 UTC<br>Remarks: Channel marker "R" Izhevsk Contr: (VL)                                                  |
| 5500 | M89  | Mode: CW Date/time: 2-8-2010, 1727 UTC<br>Remarks: V 7NPE DE QV5B (Cont'd) (Mon) Contr: (JPL-HK)                                            |
| 5500 | M89  | Mode: CW Date/time: 7-8-2010, 1232 UTC<br>Remarks: V 7NPE 7NPE 7NPE DE QV5B QV5B Contr:<br>(AB-HK)                                          |
| 5500 | M89  | Mode: CW Date/time: 8-8-2010, 2052 UTC<br>Remarks: V 7NPE 7NPE 7NPE DE QV5B QV5B Contr:<br>(JPL-HK)                                         |
| 5500 | M89  | Mode: CW Date/time: 14-8-2010, 1206 UTC<br>Remarks: V 7NPE 7NPE 7NPE DE QV5B QV5B (AB-HK)<br>Contr: (AB-HK)                                 |
| 5500 | M89  | Mode: CW Date/time: 20-8-2010, 1730 UTC<br>Remarks: V 7NPE 7NPE 7NPE de QV5B QV5B Contr:<br>(AB-HK)                                         |
| 5500 | M89  | Mode: CW Date/time: 30-8-2010, 1854 UTC<br>Remarks: V 7NPE DE QV5B Contr: (JPL-HK)                                                          |
| 5500 | M89  | Mode: CW Date/time: 31-8-2010, 1417 UTC<br>Remarks: V 7NPE DE QV5B Contr: (JPL-HK)                                                          |
| 5512 | XM   | Mode: USB Date/time: 27-7-2010, 2354 UTC<br>Remarks: Whales. variable pitches Contr: (GN2)                                                  |
| 5682 | M89  | Mode: CW Date/time: 24-8-2010, 1700 UTC<br>Remarks: V MB3R MB3R MB3R DE YA6X YA6X Contr:<br>(NWM)                                           |

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| 5682   | M89  | Mode: CW Date/time: 24-8-2010, 1803 UTC<br>Remarks: V MB3R MB3R MB3R DE YA6X YA6X Contr: (MPJ)                        |
| 5682   | M89  | Mode: CW Date/time: 25-8-2010, 0059 UTC<br>Remarks: YA6X to MB3R Contr: (ALF)                                         |
| 5715.0 | M94  | Mode: MCW Date/time: Sun 1-8-2010, 1300 UTC<br>Remarks: ID 1017 Contr: (token)                                        |
| 5715.0 | M94  | Mode: MCW Date/time: Mon 2-8-2010, 1301 UTC<br>Remarks: id:1017, in progress Contr: (TI)                              |
| 5715.0 | M94  | Mode: MCW Date/time: Fri 13-8-2010, 1400 UTC<br>Remarks: ID 1014 Contr: (token)                                       |
| 5715.0 | M94  | Mode: MCW Date/time: Sun 22-8-2010, 1400 UTC<br>Remarks: ID 1014, W13 Contr: (token)                                  |
| 5715.0 | V24  | Mode: AM Date/time: Sun 1-8-2010, 1500 UTC<br>Remarks: Contr: (token)                                                 |
| 5715.0 | V24  | Mode: AM Date/time: Tue 3-8-2010, 1300 UTC<br>Remarks: 5f Contr: (token)                                              |
| 5715.0 | V24  | Mode: AM Date/time: Fri 13-8-2010, 1200 UTC<br>Remarks: 5f Contr: (token)                                             |
| 5715.0 | V24  | Mode: AM Date/time: Sun 15-8-2010, 1600 UTC<br>Remarks: Contr: (token)                                                |
| 5715.0 | V24  | Mode: AM Date/time: Sat 21-8-2010, 1430 UTC<br>Remarks: 5f Contr: (token)                                             |
| 5715.0 | V24  | Mode: AM Date/time: Sat 21-8-2010, 1500 UTC<br>Remarks: 5f, Windows shut down sound 1506:29 Contr: (token)            |
| 5715.0 | V24  | Mode: AM Date/time: Sat 28-8-2010, 1530 UTC<br>Remarks: 5f Contr: (token)                                             |
| 5715.0 | V24  | Mode: AM Date/time: Sat 28-8-2010, 1600 UTC<br>Remarks: Contr: (token)                                                |
| 5715.0 | V24  | Mode: AM Date/time: Sun 29-8-2010, 1600 UTC<br>Remarks: Contr: (token)                                                |
| 5731   | E06  | Mode: AM Date/time: Thu 5-8-2010, 2130 UTC<br>Remarks: 315-316/15=63781 Contr: (HFD)                                  |
| 5752   | M21  | Mode: CW Date/time: 20-8-2010, 2328 UTC<br>Remarks: =990328??8????? Contr: (JP-SE)                                    |
| 5762.0 | V13  | Mode: AM Date/time: Sat 7-8-2010, 0200 UTC<br>Remarks: SSSL atencion: 15062 25782 74111 Contr: (westli)               |
| 5773   | E07a | Mode: AM Date/time: Wed 4-8-2010, 2040 UTC<br>Remarks: 147 1-61107 Contr: (HFD)                                       |
| 5788   | M12  | Mode: CW Date/time: Wed 4-8-2010, 1740 UTC<br>Remarks: 463 1 Contr: (HFD)                                             |
| 5800.0 | M08a | Mode: MCW Date/time: Sun 22-8-2010, 0600 UTC<br>Remarks: Found at end of transmission. Very good sig.<br>Contr: (BCA) |
| 5800.0 | M08a | Mode: CW Date/time: Tue 24-8-2010, 0600 UTC<br>Remarks: S9+20db with no PRE Contr: (NC)                               |

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| 5800.0 | M08a  | Mode: AM Date/time: Thu 26-8-2010, 0601 UTC<br>Remarks: UTRTA ATARA NAWTA Contr: (AnNYC)                                                |
| 5800.0 | V02a  | Mode: USB Date/time: Sun 1-8-2010, 0300 UTC<br>Remarks: Sending 5 Character Groups, weak but<br>readable in mid-Missouri. Contr: (AnM0) |
| 5800.0 | V02a  | Mode: AM Date/time: Mon 2-8-2010, 0300 UTC<br>Remarks: SSYL atencion: 84002 16741 24871 Good<br>sig. Contr: (westli)                    |
| 5800.0 | V02a  | Mode: AM Date/time: Mon 9-8-2010, 0300 UTC<br>Remarks: SSYL atencion: 13473 ..... 14316 Weak sig.<br>Contr: (westli)                    |
| 5800.0 | V02a  | Mode: AM Date/time: Mon 23-8-2010, 0300 UTC<br>Remarks: SSYL atencion: 87471 44852 35202 Weak<br>sig. Contr: (westli)                   |
| 5800.0 | V02a  | Mode: AM Date/time: Mon 30-8-2010, 0300 UTC<br>Remarks: SSYL atencion: 74212 847.2 87172 Very<br>weak sig. Contr: (westli)              |
| 5810.0 | SK01  | Mode: RDFT Date/time: Wed 4-8-2010, 0555 UTC<br>Remarks: morse between first 3 rdfts Contr:                                             |
| 5815   | G11   | Mode: USB Date/time: 15-8-2010, 1207 UTC<br>Remarks: YL/GG "V70/00", no msg, end with "ENDE",<br>s/off. Contr: (Alf)                    |
| 5815   | S11a  | Mode: AM Date/time: Sat 7-8-2010, 0950 UTC<br>Remarks: 221/00 Contr: (HFD)                                                              |
| 5873   | M21   | Mode: CW Date/time: 20-8-2010, 2329 UTC<br>Remarks: =990329??8????? Contr: (JP-SE)                                                      |
| 5873   | M21   | Mode: CW Date/time: 29-8-2010, 1413 UTC<br>Remarks: BT 991813 ??8????? Contr: (JP-SE)                                                   |
| 5873   | M21   | Mode: CW Date/time: 30-8-2010, 1230 UTC<br>Remarks: BT 991631 ??8????? Contr: (JP-SE)                                                   |
| 5883.0 | V02a  | Mode: AM Date/time: Sun 1-8-2010, 0700 UTC<br>Remarks: V2a SSYL: ..... VG sig. Caught late.<br>Contr: (westli)                          |
| 5883.0 | V02a  | Mode: AM Date/time: Sun 8-8-2010, 0700 UTC<br>Remarks: VG sig. Caught late. Contr: (westli)                                             |
| 5883.0 | V02a  | Mode: AM Date/time: Sat 14-8-2010, 0700 UTC<br>Remarks: SSYL: ..... Caught late. Contr:<br>(westli)                                     |
| 5883.0 | V02a  | Mode: AM Date/time: Mon 23-8-2010, 0700 UTC<br>Remarks: SSYL: ..... Good sig. Caught late.<br>Contr: (westli)                           |
| 5883.0 | V02a  | Mode: AM Date/time: Sat 28-8-2010, 0700 UTC<br>Remarks: SSYL: ..... Good sig. Caught late.<br>Contr: (westli)                           |
| 5883.0 | V02a  | Mode: AM Date/time: Sun 29-8-2010, 0700 UTC<br>Remarks: SSYL: ..... VG sig. Caught late.<br>Contr: (westli)                             |
| 5883.0 | V02a/ | Mode: AM Date/time: Fri 27-8-2010, 0700 UTC                                                                                             |

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|        | M08a | Remarks: IP; V02a until 07:07Z, M08a afterwards;<br>stopped listening Contr: (AnNYC)                                                      |
| 5898.0 | M08a | Mode: MCW Date/time: Tue 3-8-2010, 0500 UTC<br>Remarks: 5f cut nums: ..... Good sig. Caught<br>late. Contr: (westli)                      |
| 5898.0 | M08a | Mode: MCW Date/time: Thu 5-8-2010, 0500 UTC<br>Remarks: 05/Aug 0500z 5898kHz MCW M8a 5f cut<br>nums: ..... V Contr: (westli)              |
| 5898.0 | M08a | Mode: MCW Date/time: Sat 7-8-2010, 0500 UTC<br>Remarks: 5f cut nums: ..... Good sig. Up late IP.<br>Contr: (westli)                       |
| 5898.0 | M08a | Mode: MCW Date/time: Sun 8-8-2010, 0500 UTC<br>Remarks: 5f cut nums: ..... Good sig. Up late IP.<br>Contr: (westli)                       |
| 5898.0 | M08a | Mode: MCW Date/time: Mon 9-8-2010, 0500 UTC<br>Remarks: 5f cut nums: 25011 37201 01082 Contr:<br>(westli)                                 |
| 5898.0 | M08a | Mode: MCW Date/time: Tue 10-8-2010, 0500 UTC<br>Remarks: 5f cut nums: ..... 32832 ..... Good sig. Caught<br>late. Contr: (westli)         |
| 5898.0 | M08a | Mode: MCW Date/time: Thu 12-8-2010, 0500 UTC<br>Remarks: 5f cut nums: ..... Good sig. IP. Contr:<br>(westli)                              |
| 5898.0 | M08a | Mode: MCW Date/time: Sat 14-8-2010, 0500 UTC<br>Remarks: 5f cut nums: ..... Up late IP. Contr:<br>(westli)                                |
| 5898.0 | M08a | Mode: MCW Date/time: Tue 17-8-2010, 0500 UTC<br>Remarks: 5f cut nums: 71261 ..... Good sig. Up late<br>IP. Contr: (westli)                |
| 5898.0 | M08a | Mode: MCW Date/time: Sat 21-8-2010, 0500 UTC<br>Remarks: 5f cut nums: 60762 ..... Up late IP. Contr:<br>(westli)                          |
| 5898.0 | M08a | Mode: MCW Date/time: Sun 22-8-2010, 0500 UTC<br>Remarks: ANDUW RIGMT (12345 67890) Local quality<br>signal. Contr: (BCA)                  |
| 5898.0 | M08a | Mode: MCW Date/time: Mon 23-8-2010, 0500 UTC<br>Remarks: 5f cut nums: ..... Good sig. Up late IP.<br>Contr: (westli)                      |
| 5898.0 | M08a | Mode: MCW Date/time: Tue 24-8-2010, 0500 UTC<br>Remarks: 5f cut nums: ..... Good sig. Up late IP.<br>Contr: (westli)                      |
| 5898.0 | M08a | Mode: MCW Date/time: Tue 24-8-2010, 0502 UTC<br>Remarks: 0502 Found empty carrier, 0505 morse turns<br>on. Strong sig but fl Contr: (BCA) |
| 5898.0 | M08a | Mode: MCW Date/time: Thu 26-8-2010, 0500 UTC<br>Remarks: 5f cut nums: 40601 10161 21501 Good sig.<br>Contr: (westli)                      |

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| 5898.0 | M08a | Mode: MCW Date/time: Sat 28-8-2010, 0500 UTC<br>Remarks: 5f cut nums: 48731 23022 58402 VG sig.<br>Contr: (westli)                |
| 5898.0 | M08a | Mode: MCW Date/time: Tue 31-8-2010, 0500 UTC<br>Remarks: 5f cut nums: ..... Good sig. Up late IP.<br>Contr: (westli)              |
| 5898.0 | V02a | Mode: AM Date/time: Sun 1-8-2010, 0800 UTC<br>Remarks: Contr: (AnVA)                                                              |
| 5898.0 | V02a | Mode: AM Date/time: Mon 2-8-2010, 0800 UTC<br>Remarks: Contr: (AnVA)                                                              |
| 5898.0 | V02a | Mode: AM Date/time: Mon 23-8-2010, 0800 UTC<br>Remarks: SSYL: ..... Good sig. Caught late.<br>Contr: (westli)                     |
| 5898.0 | V02a | Mode: AM Date/time: Sat 28-8-2010, 0800 UTC<br>Remarks: SSYL: ..... VG sig. Caught late.<br>Contr: (westli)                       |
| 5898.0 | V02a | Mode: AM Date/time: Mon 30-8-2010, 0819 UTC<br>Remarks: Caught broadcast once it was already in progress. Contr: (LAZ)            |
| 5898.0 | V02a | Mode: AM Date/time: Tue 31-8-2010, 0800 UTC<br>Remarks: SSYL: ..... Good sig. Caught late.<br>Contr: (westli)                     |
| 5947.0 | SK01 | Mode: RDFT Date/time: Tue 24-8-2010, 0859 UTC<br>Remarks: RDFT heard over background noise at at 08:59, but overpowered by Contr: |
| 6215.0 | V24  | Mode: AM Date/time: Tue 3-8-2010, 1400 UTC<br>Remarks: 4f Contr: (token)                                                          |
| 6215.0 | V24  | Mode: AM Date/time: Tue 3-8-2010, 1500 UTC<br>Remarks: 5f Contr: (token)                                                          |
| 6215.0 | V24  | Mode: AM Date/time: Sun 8-8-2010, 1600 UTC<br>Remarks: 4f Contr: (token)                                                          |
| 6215.0 | V24  | Mode: AM Date/time: Mon 16-8-2010, 1500 UTC<br>Remarks: 5f Contr: (token)                                                         |
| 6215.0 | V24  | Mode: AM Date/time: Fri 27-8-2010, 0001 UTC<br>Remarks: missed majority of it but heard the last 2/3 mins of it Contr: (VK3FAIL)  |
| 6215.0 | V24  | Mode: AM Date/time: Fri 27-8-2010, 1330 UTC<br>Remarks: 5f Contr: (token)                                                         |
| 6215.0 | V24  | Mode: AM Date/time: Fri 27-8-2010, 1500 UTC<br>Remarks: 5f Contr: (token)                                                         |
| 6215.0 | V24  | Mode: AM Date/time: Sat 28-8-2010, 1330 UTC<br>Remarks: 5f Contr: (token)                                                         |
| 6215.0 | V24  | Mode: AM Date/time: Sun 29-8-2010, 1230 UTC<br>Remarks: Musical prelude only. Weak... Contr: (NG)                                 |
| 6252   | G11  | Mode: AM Date/time: Thu 12-8-2010, 0935 UTC<br>Remarks: 275/36 Contr: (HFD)                                                       |
| 6255   | G11  | Mode: AM Date/time: Mon 9-8-2010, 0935 UTC<br>Remarks: 275/36=46631 Contr: (HFD)                                                  |



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| 6300   | XM  | Mode: USB Date/time: 4-7-2010, 2323 UTC<br>Remarks: Whales. Rising Tones Contr: (GN2)                                                 |
| 6304   | E11 | Mode: USB Date/time: Fri 6-8-2010, 1910 UTC<br>Remarks: 261/30 Contr: (HFD)                                                           |
| 6304   | E11 | Mode: USB Date/time: Fri 13-8-2010, 1910 UTC<br>Remarks: 262/00 Contr: (HFD)                                                          |
| 6330.0 | M94 | Mode: MCW Date/time: Fri 27-8-2010, 1400 UTC<br>Remarks: Contr: (token)                                                               |
| 6330.0 | V24 | Mode: AM Date/time: Tue 3-8-2010, 1330 UTC<br>Remarks: 4f Contr: (token)                                                              |
| 6330.0 | V24 | Mode: AM Date/time: Fri 6-8-2010, 1400 UTC<br>Remarks: 5f Contr: (token)                                                              |
| 6330.0 | V24 | Mode: AM Date/time: Sat 7-8-2010, 1430 UTC<br>Remarks: Contr: (token)                                                                 |
| 6330.0 | V24 | Mode: AM Date/time: Fri 13-8-2010, 1600 UTC<br>Remarks: 4f Contr: (token)                                                             |
| 6330.0 | V24 | Mode: AM Date/time: Sat 21-8-2010, 1400 UTC<br>Remarks: 5f, music restart 1408:12 but stopped at 1409:9<br>Contr: (token)             |
| 6330.0 | V24 | Mode: AM Date/time: Sun 22-8-2010, 1430 UTC<br>Remarks: 5f Contr: (token)                                                             |
| 6330.0 | V24 | Mode: AM Date/time: Sun 22-8-2010, 1600 UTC<br>Remarks: Contr: (token)                                                                |
| 6330.0 | V24 | Mode: AM Date/time: Fri 27-8-2010, 1600 UTC<br>Remarks: Contr: (token)                                                                |
| 6445.0 | XSL | Mode: USB Date/time: Fri 27-8-2010, 1300 UTC<br>Remarks: Slot Machine idling; about S2 here Contr: (ZW)                               |
| 6498   | E10 | Mode: AM Date/time: 10-8-2010, 2100 UTC<br>Remarks: PCD gr25 WAJOD Contr: (AB)                                                        |
| 6498   | MX  | Mode: CW Date/time: 26-8-2010, 2008 UTC<br>Remarks: Channel marker "V" Contr: (VL)                                                    |
| 6709   | V24 | Mode: AM Date/time: 24-8-2010, 1333 UTC<br>Remarks: Music followed by female voice reading groups<br>in Korean language. Contr: (BKS) |
| 6730   | V24 | Mode: USB Date/time: 7-8-2010, 1302 UTC<br>Remarks: in progress Contr: (AB-HK)                                                        |
| 6730   | V24 | Mode: AM Date/time: 16-8-2010, 1431 UTC<br>Remarks: in progress Contr: (norave)                                                       |
| 6730.0 | V24 | Mode: AM Date/time: Fri 6-8-2010, 1300 UTC<br>Remarks: 5f Contr: (token)                                                              |
| 6730.0 | V24 | Mode: AM Date/time: Fri 6-8-2010, 1430 UTC<br>Remarks: 5f Contr: (token)                                                              |
| 6730.0 | V24 | Mode: AM Date/time: Sat 7-8-2010, 1300 UTC<br>Remarks: 5f Contr: (token)                                                              |
| 6730.0 | V24 | Mode: AM Date/time: Sun 8-8-2010, 1630 UTC<br>Remarks: 5f Contr: (token)                                                              |
| 6730.0 | V24 | Mode: AM Date/time: Sun 15-8-2010, 1300 UTC                                                                                           |

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|        |      | Remarks: 5f Contr: (token)                                                                                 |
| 6730.0 | V24  | Mode: AM Date/time: Sun 15-8-2010, 1430 UTC                                                                |
|        |      | Remarks: 5f Contr: (token)                                                                                 |
| 6730.0 | V24  | Mode: AM Date/time: Mon 16-8-2010, 1430 UTC                                                                |
|        |      | Remarks: 5f Contr: (token)                                                                                 |
| 6730.0 | V24  | Mode: AM Date/time: Sun 22-8-2010, 1300 UTC                                                                |
|        |      | Remarks: 5f Contr: (token)                                                                                 |
| 6730.0 | V24  | Mode: AM Date/time: Sat 28-8-2010, 1300 UTC                                                                |
|        |      | Remarks: 5f Contr: (token)                                                                                 |
| 6742   | XM   | Mode: USB Date/time: 13-6-2010, 0104 UTC                                                                   |
|        |      | Remarks: Whales. Rising tones Contr: (GN2)                                                                 |
| 6768.0 | V02a | Mode: AM Date/time: Mon 2-8-2010, 0400 UTC                                                                 |
|        |      | Remarks: SSYL atencion: 72131 47731 61271 Good sig. Contr: (westli)                                        |
| 6768.0 | V02a | Mode: AM Date/time: Sat 7-8-2010, 0100 UTC                                                                 |
|        |      | Remarks: SSYL atencion: 15062 25782 74111 Contr: (westli)                                                  |
| 6768.0 | V02a | Mode: AM Date/time: Sat 21-8-2010, 0100 UTC                                                                |
|        |      | Remarks: SSYL: ..... Very weak sig. Up late IP. Contr: (westli)                                            |
| 6768.0 | V02a | Mode: AM Date/time: Mon 23-8-2010, 0400 UTC                                                                |
|        |      | Remarks: SSYL atencion: 08482 07721 58542 Good sig. Good sig but audio Contr: (westli)                     |
| 6768.0 | V13  | Mode: AM Date/time: Mon 9-8-2010, 0400 UTC                                                                 |
|        |      | Remarks: SSYL atencion: 71131 20362 00002 Contr: (westli)                                                  |
| 6770   | S06  | Mode: AM Date/time: 11-8-2010, 1800 UTC                                                                    |
|        |      | Remarks: 471 000000 Contr: (MUK)                                                                           |
| 6770   | S06  | Mode: AM Date/time: Wed 11-8-2010, 1800 UTC                                                                |
|        |      | Remarks: 471 0 Contr: (HFD)                                                                                |
| 6770   | S06  | Mode: AM Date/time: Wed 18-8-2010, 1800 UTC                                                                |
|        |      | Remarks: 471 0 Contr: (HFD)                                                                                |
| 6791   | M12? | Mode: CW Date/time: 15-8-2010, 1555 UTC                                                                    |
|        |      | Remarks: 2x5FGs "... == 245 245 38 38 910 (x17) 001 001 11 == 12345 12345 == 001 001 11 00000 Contr: (Alf) |
| 6802   | M12  | Mode: CW Date/time: Tue 3-8-2010, 1620 UTC                                                                 |
|        |      | Remarks: 463 1 Contr: (HFD)                                                                                |
| 6802   | M12  | Mode: CW Date/time: Wed 4-8-2010, 1720 UTC                                                                 |
|        |      | Remarks: 463 1 Contr: (HFD)                                                                                |
| 6818   | X06  | Mode: AM Date/time: 16-8-2010, 1601 UTC                                                                    |
|        |      | Remarks: Mazielka. Sequence: 452163 Contr: (HS2)                                                           |
| 6825   | M51  | Mode: CW Date/time: 18-8-2010, 0833 UTC                                                                    |
|        |      | Remarks: vvv de FAV22 FAV22 FAV22 QLH 3881//6825 kHz Contr: (WP3)                                          |
| 6836   | E11  | Mode: USB Date/time: Thu 12-8-2010, 1830 UTC                                                               |
|        |      | Remarks: 416/00 Contr: (HFD)                                                                               |
| 6837   | XM   | Mode: USB Date/time: 24-8-2010, 0628 UTC                                                                   |

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|        |      | Remarks: Unid whale sounds. Contr: (BKS)                                                                                                  |
| 6840   | E10  | Mode: AM Date/time: 10-8-2010, 2020 UTC                                                                                                   |
|        |      | Remarks: EZI gr16 EQYYH Contr: (AB)                                                                                                       |
| 6840   | E10  | Mode: AM Date/time: 12-8-2010, 0107 UTC                                                                                                   |
|        |      | Remarks: EZI Contr: (norave)                                                                                                              |
| 6840   | M89  | Mode: CW Date/time: 2-8-2010, 1720 UTC                                                                                                    |
|        |      | Remarks: VVV Q2M DE NYZ (R5) (Mon) //4860 kHz                                                                                             |
|        |      | Contr: (JPL-HK)                                                                                                                           |
| 6840   | M89  | Mode: CW Date/time: 6-8-2010, 0220 UTC                                                                                                    |
|        |      | Remarks: VVV Q2M Q2M Q2M DE NYZ NYZ (R5)                                                                                                  |
|        |      | //10640 Contr: (JPL-HK)                                                                                                                   |
| 6840   | M89  | Mode: CW Date/time: 7-8-2010, 1323 UTC                                                                                                    |
|        |      | Remarks: VVV Q2M Q2M Q2M DE NYZ NYZ //4860 kHz.                                                                                           |
|        |      | Ends at 1325 UTC Contr: (AB-HK)                                                                                                           |
| 6840   | M89  | Mode: CW Date/time: 7-8-2010, 1754 UTC                                                                                                    |
|        |      | Remarks: VVV Q2M Q2M Q2M DE NYZ NYZ Contr: (AB-HK)                                                                                        |
|        |      | Contr: (AB)                                                                                                                               |
| 6840   | M89  | Mode: CW Date/time: 14-8-2010, 1323 UTC                                                                                                   |
|        |      | Remarks: VVV Q2M Q2M Q2M DE NYZ NYZ //4860 kHz                                                                                            |
|        |      | Contr: (AB)                                                                                                                               |
| 6840   | M89  | Mode: CW Date/time: 15-8-2010, 1023 UTC                                                                                                   |
|        |      | Remarks: VVV Q2M DE NYZ in progress //10640 kHz                                                                                           |
|        |      | Contr: (JPL-HK)                                                                                                                           |
| 6840   | M89  | Mode: CW Date/time: 31-8-2010, 1420 UTC                                                                                                   |
|        |      | Remarks: VVV Q2M DE NYZ Contr: (JPL-HK)                                                                                                   |
| 6855.0 | V02a | Mode: AM Date/time: Mon 2-8-2010, 0300 UTC                                                                                                |
|        |      | Remarks: SSYL atencion: 72131 47731 61271 Good sig. Contr: (westli)                                                                       |
| 6855.0 | V02a | Mode: AM Date/time: Mon 9-8-2010, 0300 UTC                                                                                                |
|        |      | Remarks: SSYL atencion: 71131 20362 00002 Contr: (westli)                                                                                 |
| 6855.0 | V02a | Mode: AM Date/time: Mon 23-8-2010, 0300 UTC                                                                                               |
|        |      | Remarks: SSYL atencion: ..... Good sig. Good sig but audio Contr: (westli)                                                                |
| 6855.0 | V02a | Mode: AM Date/time: Mon 30-8-2010, 0300 UTC                                                                                               |
|        |      | Remarks: SSYL atencion: 11672 86002 12001 Very weak sig. Contr: (westli)                                                                  |
| 6855.0 | V02a | Mode: AM Date/time: Mon 30-8-2010, 0300 UTC                                                                                               |
|        |      | Remarks: caught late / last callout 82001 / cuba, female, spanish / stron Contr: (NG)                                                     |
| 6887   | G06  | Mode: AM Date/time: 12-8-2010, 1830 UTC                                                                                                   |
|        |      | Remarks: YL reading 842 321 15 98743 13243 56741 67312 90876 56741 09876 65423 90871 12395 15234 65431 13256 67542 89075 321 Contr: (MUK) |
| 6887   | G06  | Mode: AM Date/time: Thu 12-8-2010, 1830 UTC                                                                                               |
|        |      | Remarks: 842-321/15=98743 Contr: (HFD)                                                                                                    |
| 6904   | M12  | Mode: CW Date/time: Mon 2-8-2010, 1940 UTC                                                                                                |
|        |      | Remarks: 257 1 Contr: (HFD)                                                                                                               |

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| 6904   | M12  | Mode: CW Date/time: 12-8-2010, 1940 UTC<br>Remarks: 257 1 8422 58 89148 Contr: (FN)                                                                                      |
| 6923   | M12  | Mode: CW Date/time: Wed 11-8-2010, 2120 UTC<br>Remarks: 198 0 Contr: (HFD)                                                                                               |
| 6941   | E07  | Mode: AM Date/time: Tue 3-8-2010, 0700 UTC<br>Remarks: only carrier Contr: (HFD)                                                                                         |
| 6967   | S06  | Mode: AM Date/time: Sat 7-8-2010, 1605 UTC<br>Remarks: 864 0 Contr: (HFD)                                                                                                |
| 6967   | S06  | Mode: AM Date/time: Sat 14-8-2010, 1605 UTC<br>Remarks: 864 0 Contr: (HFD)                                                                                               |
| 6967   | S06  | Mode: AM Date/time: Sat 21-8-2010, 1605 UTC<br>Remarks: 864 0 Contr: (HFD)                                                                                               |
| 6984   | S06  | Mode: AM Date/time: Thu 5-8-2010, 1905 UTC<br>Remarks: 349 0 Contr: (HFD)                                                                                                |
| 6984   | S06  | Mode: AM Date/time: Thu 12-8-2010, 1905 UTC<br>Remarks: 349 0 Contr: (HFD)                                                                                               |
| 6984   | S06  | Mode: AM Date/time: Mon 16-8-2010, 1905 UTC<br>Remarks: 349 0 Contr: (HFD)                                                                                               |
| 6984   | S06  | Mode: AM Date/time: Mon 23-8-2010, 1905 UTC<br>Remarks: 349 0 Contr: (HFD)                                                                                               |
| 6984   | S06  | Mode: AM Date/time: Mon 30-8-2010, 1905 UTC<br>Remarks: 349 0 Contr: (HFD)                                                                                               |
| 7038.8 | MX   | Mode: CW Date/time: 20-8-2010, 1544 UTC<br>Remarks: Beacon "P" Kaliningrad Contr: (MPJ)                                                                                  |
| 7038.9 | MX   | Mode: CW Date/time: 20-8-2010, 1544 UTC<br>Remarks: Beacon "S" Severomorsk Contr: (MPJ)                                                                                  |
| 7039   | MX   | Mode: CW Date/time: 20-8-2010, 1544 UTC<br>Remarks: Beacon "C" Moscow Contr: (MPJ)                                                                                       |
| 7039.2 | MX   | Mode: CW Date/time: 7-8-2010, 1753 UTC<br>Remarks: Beacon "F" Vladivostok Contr: (AB-HK)                                                                                 |
| 7039.3 | MX   | Mode: CW Date/time: 7-8-2010, 1753 UTC<br>Remarks: Beacon "K" Petropavlovsk Contr: (AB-HK)                                                                               |
| 7039.4 | MX   | Mode: CW Date/time: 7-8-2010, 1753 UTC<br>Remarks: Beacon "M" Magadan Contr: (AB-HK)                                                                                     |
| 7039.4 | MX   | Mode: CW Date/time: 14-8-2010, 1238 UTC<br>Remarks: Beacon "M" Magadan Contr: (AB-HK)                                                                                    |
| 7402   | M21a | Mode: CW Date/time: 13-8-2010, 0910 UTC<br>Remarks: M21 variant. Unid radar tracking station CIS.<br>=4680025072311 =0046822096 98491010 .... Not RUS<br>PVO Contr: (FN) |
| 7437   | E07a | Mode: AM Date/time: Thu 5-8-2010, 0430 UTC<br>Remarks: 411 1-61107-827/63 -66459 Contr: (HFD)                                                                            |
| 7473   | E07a | Mode: AM Date/time: Wed 4-8-2010, 2020 UTC<br>Remarks: 147 1-61107 Contr: (HFD)                                                                                          |
| 7553   | V26  | Mode: USB Date/time: 9-8-2010, 0904 UTC<br>Remarks: ended mid group Contr: (token)                                                                                       |
| 7553   | V26  | Mode: USB Date/time: 9-8-2010, 1042 UTC<br>Remarks: Rec ended 1100 UTC with V26 still on air                                                                             |

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|      |     | Contr: (token)                                                                                                                |
| 7553 | V26 | Mode: USB Date/time: 10-8-2010, 1343 UTC<br>Remarks: ended mid group Contr: (token)                                           |
| 7553 | V26 | Mode: USB Date/time: 11-8-2010, 1340 UTC<br>Remarks: Contr: (token)                                                           |
| 7553 | V26 | Mode: AM Date/time: 12-8-2010, 1330 UTC<br>Remarks: carrier stayed up until after my recording ended at 1500 Contr: (token)   |
| 7553 | V26 | Mode: USB Date/time: 13-8-2010, 1339 UTC<br>Remarks: Contr: (token)                                                           |
| 7553 | V26 | Mode: USB Date/time: 14-8-2010, 1339 UTC<br>Remarks: Contr: (token)                                                           |
| 7553 | V26 | Mode: USB Date/time: 15-8-2010, 1334 UTC<br>Remarks: Contr: (token)                                                           |
| 7553 | V26 | Mode: Date/time: 16-8-2010, 1315 UTC<br>Remarks: carrier only no modulation at all Contr: (token)                             |
| 7553 | V26 | Mode: USB Date/time: 16-8-2010, 1350 UTC<br>Remarks: Contr: (token)                                                           |
| 7553 | V26 | Mode: USB Date/time: 18-8-2010, 1347 UTC<br>Remarks: Contr: (token)                                                           |
| 7553 | V26 | Mode: USB Date/time: 20-8-2010, 1450 UTC<br>Remarks: Rec ended 1500 UTC with V26 still on air<br>Contr: (token)               |
| 7553 | V26 | Mode: USB Date/time: 21-8-2010, 1340 UTC<br>Remarks: stopped mid group Contr: (token)                                         |
| 7553 | V26 | Mode: USB Date/time: 28-8-2010, 1017 UTC<br>Remarks: Rec ended 1030 UTC with V26 still on air<br>Contr: (token)               |
| 7553 | V26 | Mode: AM Date/time: 28-8-2010, 1342 UTC<br>Remarks: Rec ended 1430 UTC with V26 still on air<br>Contr: (token)                |
| 7553 | V26 | Mode: USB Date/time: 29-8-2010, 1333 UTC<br>Remarks: the 9153 freq never came on at all on August 29 in any ti Contr: (token) |
| 7560 | M12 | Mode: CW Date/time: Mon 2-8-2010, 0500 UTC<br>Remarks: 501 0 Contr: (HFD)                                                     |
| 7584 | M12 | Mode: CW Date/time: 17-8-2010, 0341 UTC<br>Remarks: 511 511 511 1 & 5FGs. Contr: (Alf)                                        |
| 7602 | M89 | Mode: CW Date/time: 26-8-2010, 1938 UTC<br>Remarks: V DKG6 DKG6 DKG6 DE 3A7D 3A7D Contr: (PPA)                                |
| 7833 | M89 | Mode: CW Date/time: 26-8-2010, 1925 UTC<br>Remarks: V QPZM QPZM QPZM DE WOXN WOXN<br>Contr: (PPA)                             |
| 7837 | M03 | Mode: CW Date/time: Tue 10-8-2010, 0910 UTC<br>Remarks: 272/00 Contr: (HFD)                                                   |
| 7837 | M03 | Mode: CW Date/time: Thu 12-8-2010, 0910 UTC<br>Remarks: 650/00 Contr: (HFD)                                                   |

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| 7837   | M03  | Mode: CW Date/time: Tue 17-8-2010, 0910 UTC<br>Remarks: 272/00 Contr: (HFD)                                              |
| 7849   | XM   | Mode: USB Date/time: 8-7-2010, 2310 UTC<br>Remarks: Whales. Descending Tones Contr: (GN2)                                |
| 7931   | M12  | Mode: CW Date/time: Mon 2-8-2010, 1920 UTC<br>Remarks: 257 1 Contr: (HFD)                                                |
| 7931   | M12  | Mode: CW Date/time: 5-8-2010, 1920 UTC<br>Remarks: 257 1 3685 67 56059 Contr: (FN)                                       |
| 7931   | M12  | Mode: CW Date/time: 12-8-2010, 1920 UTC<br>Remarks: 257 1 8422 58 89148 Contr: (FN)                                      |
| 7982   | S06  | Mode: AM Date/time: Mon 2-8-2010, 1900 UTC<br>Remarks: 349 0 Contr: (HFD)                                                |
| 7982   | S06  | Mode: AM Date/time: Thu 19-8-2010, 1900 UTC<br>Remarks: 349 0 Contr: (HFD)                                               |
| 8009.0 | M08a | Mode: CW Date/time: Mon 23-8-2010, 2300 UTC<br>Remarks: 5f cut nums: 76032 77612 24742 Weak sig.<br>Contr: (westli)      |
| 8041   | E07  | Mode: AM Date/time: Tue 3-8-2010, 0720 UTC<br>Remarks: only carrier Contr: (HFD)                                         |
| 8047   | M12  | Mode: CW Date/time: Tue 3-8-2010, 1600 UTC<br>Remarks: 463 1 Contr: (HFD)                                                |
| 8047   | M12  | Mode: CW Date/time: Wed 4-8-2010, 1700 UTC<br>Remarks: 463 1 Contr: (HFD)                                                |
| 8096.0 | M08a | Mode: CW Date/time: Fri 6-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 38682 00882 83511 Weak sig.<br>Contr: (westli)       |
| 8096.0 | M08a | Mode: CW Date/time: Sat 14-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 70831 43002 20862 Contr:<br>(westli)                |
| 8096.0 | M08a | Mode: CW Date/time: Fri 20-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 64021 14242 05262 Very weak<br>sig. Contr: (westli) |
| 8096.0 | M08a | Mode: CW Date/time: Mon 23-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 24122 61432 47872 Good sig.<br>Contr: (westli)      |
| 8096.0 | M08a | Mode: CW Date/time: Wed 25-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 16331 40432 86572 Good sig.<br>Contr: (westli)      |
| 8096.0 | M08a | Mode: CW Date/time: Fri 27-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 09071 26622 21152 Good sig.<br>Contr: (westli)      |
| 8096.0 | M08a | Mode: CW Date/time: Mon 30-8-2010, 1400 UTC<br>Remarks: 5f cut nums: ..... Very weak sig. QRM<br>Contr: (westli)         |
| 8100   | X06b | Mode: AM Date/time: 19-8-2010, 1106 UTC<br>Remarks: Mazielka. 2-tone signal Contr: (HS2)                                 |
| 8115   | S06  | Mode: AM Date/time: Mon 23-8-2010, 2115 UTC<br>Remarks: 723 0 Contr: (HFD)                                               |

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| 8116   | M12  | Mode: CW Date/time: 5-8-2010, 1840 UTC<br>Remarks: 124 1 6167 55 66050 Contr: (FN)                                       |
| 8123   | M12  | Mode: CW Date/time: Wed 11-8-2010, 2100 UTC<br>Remarks: 198 0 Contr: (HFD)                                               |
| 8135.0 | M08a | Mode: CW Date/time: Tue 3-8-2010, 2300 UTC<br>Remarks: 5f cut nums: 78061 47001 52631 Very weak<br>sig. Contr: (westli)  |
| 8135.0 | M08a | Mode: CW Date/time: Thu 5-8-2010, 2300 UTC<br>Remarks: 5f cut nums: ..... Caught late. Contr:<br>(westli)                |
| 8135.0 | M08a | Mode: CW Date/time: Fri 6-8-2010, 2300 UTC<br>Remarks: 5f cut nums: 73421 30422 01171 Weak sig.<br>Contr: (westli)       |
| 8135.0 | M08a | Mode: CW Date/time: Fri 6-8-2010, 2320 UTC<br>Remarks: Weak, heavy QRM Contr: (CVSoft)                                   |
| 8135.0 | M08a | Mode: CW Date/time: Tue 10-8-2010, 2300 UTC<br>Remarks: 5f cut nums: 73161 58112 58761 Very weak<br>sig. Contr: (westli) |
| 8135.0 | M08a | Mode: CW Date/time: Fri 20-8-2010, 2300 UTC<br>Remarks: 5f cut nums: ..... Weak sig. Caught<br>late. Contr: (westli)     |
| 8135.0 | M08a | Mode: CW Date/time: Tue 24-8-2010, 2300 UTC<br>Remarks: 5f cut nums: 14402 41252 23472 Weak sig.<br>Contr: (westli)      |
| 8135.0 | M08a | Mode: CW Date/time: Thu 26-8-2010, 2300 UTC<br>Remarks: 5f cut nums: 83002 10472 56512 Weak sig.<br>Contr: (westli)      |
| 8137   | E07a | Mode: AM Date/time: Thu 5-8-2010, 0450 UTC<br>Remarks: 411 1-61107 Contr: (HFD)                                          |
| 8148   | XPA  | Mode: MFSK-20/10/520 Date/time: 10-8-2010, 1120 UTC<br>Remarks: 938 938 938 1 into 5F msg Contr: (PPA)                   |
| 8158   | M12  | Mode: CW Date/time: Thu 12-8-2010, 0410 UTC<br>Remarks: 134 0 Contr: (HFD)                                               |
| 8173   | E07a | Mode: AM Date/time: Wed 4-8-2010, 2000 UTC<br>Remarks: 147 1-61107-827/63 -45924 Contr: (HFD)                            |
| 8186.0 | M08a | Mode: CW Date/time: Mon 2-8-2010, 0830 UTC<br>Remarks: very strong carrier only... Contr: (AnVA)                         |
| 8186.0 | M08a | Mode: MCW Date/time: Wed 18-8-2010, 0800 UTC<br>Remarks: 5f cut nums: ..... Weak sig. Up late IP.<br>Contr: (westli)     |
| 8313.0 | XSL  | Mode: USB Date/time: Fri 27-8-2010, 1300 UTC<br>Remarks: Slot Machine, about S3 here Contr: (ZW)                         |
| 8494.9 | MX   | Mode: CW Date/time: 20-8-2010, 1551 UTC<br>Remarks: Beacon "S" Sevoromorsk Contr: (norave)                               |
| 8495.3 | MX   | Mode: CW Date/time: 7-8-2010, 1753 UTC<br>Remarks: Beacon "K" Petropavlovsk Contr: (AB-HK)                               |
| 8495.4 | MX   | Mode: CW Date/time: 7-8-2010, 1753 UTC<br>Remarks: Beacon "M" Magadan Contr: (AB-HK)                                     |

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| 8588.0 | XSL  | Mode: USB Date/time: Fri 27-8-2010, 1300 UTC<br>Remarks: Slot Machine, about S3 here Contr: (ZW)                                                     |
| 8703.0 | XSL  | Mode: USB Date/time: Fri 27-8-2010, 1300 UTC<br>Remarks: Slot machine, about S3 here Contr: (ZW)                                                     |
| 9040.0 | V02a | Mode: AM Date/time: Wed 25-8-2010, 0930 UTC<br>Remarks: SSYL: ..... Good sig. Caught late.<br>Contr: (westli)                                        |
| 9043   | M42  | Mode: Baudot 50/500 Date/time: 18-8-2010, 0015 UTC<br>Remarks: Russian Gov/Intel. RYs, 5FGs using "=50=" separator & UTC time, " -0018" Contr: (Alf) |
| 9060   | M12  | Mode: CW Date/time: Mon 2-8-2010, 0520 UTC<br>Remarks: 501 0 Contr: (HFD)                                                                            |
| 9060   | M14  | Mode: CW Date/time: Thu 5-8-2010, 1900 UTC<br>Remarks: 724 0 Contr: (HFD)                                                                            |
| 9063.0 | M08a | Mode: MCW Date/time: Wed 25-8-2010, 0800 UTC<br>Remarks: 5f cut nums: 22401 57781 75542 Good sig.<br>Contr: (westli)                                 |
| 9063.0 | SK01 | Mode: RDFT Date/time: Mon 2-8-2010, 0900 UTC<br>Remarks: Contr: (AnVA)                                                                               |
| 9063.0 | V02a | Mode: AM Date/time: Fri 6-8-2010, 0800 UTC<br>Remarks: SSYL atencion: 14271 12522 15122 Started with a little M8a. Contr: (westli)                   |
| 9106   | E07  | Mode: AM Date/time: 13-8-2010, 1120 UTC<br>Remarks: EE/OM 037 037 037 1 => 4563 64 => 5F message => 000 000 Contr: (PPA)                             |
| 9112.0 | M08a | Mode: MCW Date/time: Sun 8-8-2010, 1000 UTC<br>Remarks: 5f cut nums: 77132 27662 22801 Contr: (westli)                                               |
| 9112.0 | M08a | Mode: MCW Date/time: Mon 9-8-2010, 1000 UTC<br>Remarks: 5f cut nums: 76732 84032 16362 Good sig. Contr: (westli)                                     |
| 9112.0 | M08a | Mode: MCW Date/time: Sun 29-8-2010, 1000 UTC<br>Remarks: 5f cut nums: 85482 73031 13022 Good sig. Contr: (westli)                                    |
| 9112.0 | M08a | Mode: MCW Date/time: Mon 30-8-2010, 1000 UTC<br>Remarks: 5f cut nums: 05602 67441 16232 Good sig. Contr: (westli)                                    |
| 9130   | E10  | Mode: AM Date/time: 3-8-2010, 2032 UTC<br>Remarks: EZI Contr: (PPA)                                                                                  |
| 9130   | E10  | Mode: AM Date/time: 20-8-2010, 1815 UTC<br>Remarks: EZI Contr: (norave)                                                                              |
| 9135.0 | V26  | Mode: USB Date/time: Tue 31-8-2010, 1058 UTC<br>Remarks: CCYL. 3-fig in Mandarin Chinese. QRM Very weak. Very poor reada Contr: (westli)             |
| 9137   | E07a | Mode: AM Date/time: Thu 5-8-2010, 0510 UTC<br>Remarks: 411 1-61107 Contr: (HFD)                                                                      |
| 9143   | M12  | Mode: CW Date/time: Mon 9-8-2010, 0420 UTC<br>Remarks: 619 1 Contr: (HFD)                                                                            |



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| 9143 | XPA | Mode: AM Date/time: 4-8-2010, 1120 UTC<br>Remarks: Contr: (PPA)                                                                |
| 9147 | E07 | Mode: AM Date/time: Thu 26-8-2010, 2030 UTC<br>Remarks: 716 0 Contr: (HFD)                                                     |
| 9153 | V26 | Mode: USB Date/time: 1-8-2010, 0939 UTC<br>Remarks: Contr: (token)                                                             |
| 9153 | V26 | Mode: USB Date/time: 1-8-2010, 1342 UTC<br>Remarks: Contr: (token)                                                             |
| 9153 | V26 | Mode: USB Date/time: 2-8-2010, 1016 UTC<br>Remarks: Rec ended 1100 UTC with V26 still on air<br>Contr: (token)                 |
| 9153 | V26 | Mode: USB Date/time: 2-8-2010, 1327 UTC<br>Remarks: Contr: (token)                                                             |
| 9153 | V26 | Mode: AM Date/time: 3-8-2010, 0947 UTC<br>Remarks: carrier stayed up until after recording ended at 1115 UTC<br>Contr: (token) |
| 9153 | V26 | Mode: USB Date/time: 3-8-2010, 1334 UTC<br>Remarks: Contr: (token)                                                             |
| 9153 | V26 | Mode: USB Date/time: 4-8-2010, 0945 UTC<br>Remarks: Contr: (token)                                                             |
| 9153 | V26 | Mode: USB Date/time: 4-8-2010, 1341 UTC<br>Remarks: Contr: (token)                                                             |
| 9153 | V26 | Mode: USB Date/time: 5-8-2010, 0947 UTC<br>Remarks: Contr: (token)                                                             |
| 9153 | V26 | Mode: USB Date/time: 5-8-2010, 1335 UTC<br>Remarks: Rec ended 1400 UTC with V26 still on air<br>Contr: (token)                 |
| 9153 | V26 | Mode: USB Date/time: 6-8-2010, 0956 UTC<br>Remarks: conditions very bad Contr: (token)                                         |
| 9153 | V26 | Mode: USB Date/time: 6-8-2010, 1331 UTC<br>Remarks: conditions very bad Contr: (token)                                         |
| 9153 | V26 | Mode: USB Date/time: 7-8-2010, 1345 UTC<br>Remarks: Contr: (token)                                                             |
| 9153 | V26 | Mode: USB Date/time: 8-8-2010, 0948 UTC<br>Remarks: Contr: (token)                                                             |
| 9153 | V26 | Mode: USB Date/time: 8-8-2010, 1340 UTC<br>Remarks: Contr: (token)                                                             |
| 9153 | V26 | Mode: USB Date/time: 9-8-2010, 0904 UTC<br>Remarks: ended mid group Contr: (token)                                             |
| 9153 | V26 | Mode: USB Date/time: 9-8-2010, 1042 UTC<br>Remarks: Rec ended 1100 UTC with V26 still on air<br>Contr: (token)                 |
| 9153 | V26 | Mode: USB Date/time: 9-8-2010, 1440 UTC<br>Remarks: Rec ended 1445 UTC with V26 still on air<br>Contr: (token)                 |
| 9153 | V26 | Mode: USB Date/time: 10-8-2010, 1007 UTC<br>Remarks: Rec ended 1130 UTC with V26 still on air<br>Contr: (token)                |

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| 9153 | V26 | Mode: USB Date/time: 10-8-2010, 1343 UTC<br>Remarks: ended mid group but later than 7553 TX did<br>Contr: (token)                |
| 9153 | V26 | Mode: USB Date/time: 11-8-2010, 1010 UTC<br>Remarks: started in mid group and also ended in mid<br>group Contr: (token)          |
| 9153 | V26 | Mode: USB Date/time: 11-8-2010, 1340 UTC<br>Remarks: Contr: (token)                                                              |
| 9153 | V26 | Mode: USB Date/time: 12-8-2010, 0934 UTC<br>Remarks: Contr: (token)                                                              |
| 9153 | V26 | Mode: USB Date/time: 12-8-2010, 1000 UTC<br>Remarks: numbers Contr: (all)                                                        |
| 9153 | V26 | Mode: USB Date/time: 12-8-2010, 1330 UTC<br>Remarks: Contr: (token)                                                              |
| 9153 | V26 | Mode: USB Date/time: 13-8-2010, 0941 UTC<br>Remarks: transmitter stayed up until at least after 1047<br>UTC sligh Contr: (token) |
| 9153 | V26 | Mode: USB Date/time: 13-8-2010, 1339 UTC<br>Remarks: Contr: (token)                                                              |
| 9153 | V26 | Mode: USB Date/time: 14-8-2010, 0934 UTC<br>Remarks: Contr: (token)                                                              |
| 9153 | V26 | Mode: USB Date/time: 14-8-2010, 1339 UTC<br>Remarks: ended mid group Contr: (token)                                              |
| 9153 | V26 | Mode: USB Date/time: 15-8-2010, 0949 UTC<br>Remarks: Contr: (token)                                                              |
| 9153 | V26 | Mode: USB Date/time: 15-8-2010, 1334 UTC<br>Remarks: Contr: (token)                                                              |
| 9153 | V26 | Mode: USB Date/time: 16-8-2010, 1005 UTC<br>Remarks: Contr: (token)                                                              |
| 9153 | V26 | Mode: Date/time: 16-8-2010, 1315 UTC<br>Remarks: carrier only no modulation at all Contr: (token)                                |
| 9153 | V26 | Mode: USB Date/time: 16-8-2010, 1350 UTC<br>Remarks: ended mid group Contr: (token)                                              |
| 9153 | V26 | Mode: USB Date/time: 17-8-2010, 1421 UTC<br>Remarks: Rec ended 1500 UTC with V26 still on air<br>Contr: (token)                  |
| 9153 | V26 | Mode: USB Date/time: 18-8-2010, 1347 UTC<br>Remarks: Contr: (token)                                                              |
| 9153 | V26 | Mode: USB Date/time: 19-8-2010, 1335 UTC<br>Remarks: Contr: (token)                                                              |
| 9153 | V26 | Mode: USB Date/time: 20-8-2010, 1450 UTC<br>Remarks: Rec ended 1500 UTC with V26 still on air<br>Contr: (token)                  |
| 9153 | V26 | Mode: USB Date/time: 21-8-2010, 0940 UTC<br>Remarks: Contr: (token)                                                              |
| 9153 | V26 | Mode: USB Date/time: 21-8-2010, 1340 UTC<br>Remarks: stopped mid group Contr: (token)                                            |
| 9153 | V26 | Mode: USB Date/time: 25-8-2010, 1447 UTC                                                                                         |

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|        |      | Remarks: Rec ended 1531 UTC with V26 still on air<br>Contr: (token)                                                                        |
| 9153   | V26  | Mode: USB Date/time: 27-8-2010, 1337 UTC<br>Remarks: Contr: (token)                                                                        |
| 9153   | V26  | Mode: USB Date/time: 28-8-2010, 1342 UTC<br>Remarks: Rec ended 1430 UTC with V26 still on air.<br>Very heavy noise Contr: (token)          |
| 9153   | V26  | Mode: USB Date/time: 30-8-2010, 0957 UTC<br>Remarks: same heavy noise (might be dig modem) as<br>heard on August Contr: (token)            |
| 9153   | V26  | Mode: USB Date/time: 31-8-2010, 1036 UTC<br>Remarks: Rec ended 1105 UTC with V26 still on air.<br>Same heavy noise Contr: (token)          |
| 9153   | V26  | Mode: USB Date/time: 31-8-2010, 1349 UTC<br>Remarks: same heavy noise first seen on August 28<br>transmission. Contr: (token)              |
| 9153   | V26  | Mode: USB Date/time: 31-8-2010, 1426 UTC<br>Remarks: Rec end at 1500 UTC with V26 still on air.<br>Same heavy noise Contr: (token)         |
| 9153.0 | V02a | Mode: AM Date/time: Fri 6-8-2010, 0700 UTC<br>Remarks: SSYL: 14271 ..... Good sig. Up late IP.<br>Contr: (westli)                          |
| 9153.0 | V02a | Mode: AM Date/time: Fri 27-8-2010, 0700 UTC<br>Remarks: SSYL atencion: ..... caught late<br>Contr: (westli)                                |
| 9153.0 | V26  | Mode: USB Date/time: Thu 12-8-2010, 0947 UTC<br>Remarks: Caught in middle of transmission. First v26 on<br>this frequency li Contr: (all)  |
| 9153.0 | V26  | Mode: USB Date/time: Thu 12-8-2010, 1000 UTC<br>Remarks: CCYL. 3-fig msgs in Mandarin Chinese. fair<br>readability. Contr: (westli)        |
| 9153.0 | V26  | Mode: USB Date/time: Fri 13-8-2010, 1000 UTC<br>Remarks: CCYL. 3-fig in Mandarin Chinese. Contr:<br>(westli)                               |
| 9153.0 | V26  | Mode: USB Date/time: Sun 15-8-2010, 1300 UTC<br>Remarks: CCYL. 3-fig in Mandarin Chinese. Very weak.<br>Very poor readabil Contr: (westli) |
| 9153.0 | V26  | Mode: USB Date/time: Wed 18-8-2010, 0946 UTC<br>Remarks: CCYL. 3-fig in Mandarin Chinese. Weak. Poor<br>readability. Contr: (westli)       |
| 9153.0 | V26  | Mode: USB Date/time: Thu 19-8-2010, 1939 UTC<br>Remarks: CCYL. 3-fig in Mandarin Chinese. Very weak.<br>Poor readability. Contr: (westli)  |
| 9153.0 | V26  | Mode: USB Date/time: Fri 27-8-2010, 0958 UTC<br>Remarks: CCYL. 3-fig in Mandarin Chinese. Weak. Fair<br>readability. Contr: (westli)       |
| 9176   | M12  | Mode: CW Date/time: Mon 2-8-2010, 1900 UTC<br>Remarks: 257 1 Contr: (HFD)                                                                  |

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| 9176    | M12   | Mode: CW Date/time: 12-8-2010, 1900 UTC<br>Remarks: 257 1 8422 58 89148 Contr: (FN)                                                                                            |
| 9176.35 | OL032 | Mode: FEC 100/170 Date/time: 19-8-2010, 1610 UTC<br>Remarks: Czech Intel. Contr: (BCI)                                                                                         |
| 9184    | M12   | Mode: CW Date/time: Thu 5-8-2010, 0420 UTC<br>Remarks: 511 1 Contr: (HFD)                                                                                                      |
| 9222    | M21   | Mode: CW Date/time: 6-8-2010, 1408 UTC<br>Remarks: PVO =99?1809?9????? Contr: (JPL-SE)                                                                                         |
| 9222    | M21   | Mode: CW Date/time: 15-8-2010, 1040 UTC<br>Remarks: =99?1441?9????? Contr: (JPL-SE)                                                                                            |
| 9222    | M21   | Mode: CW Date/time: 29-8-2010, 1419 UTC<br>Remarks: BT 99?1820?9????? Contr: (JP-SE)                                                                                           |
| 9222    | M21   | Mode: CW Date/time: 30-8-2010, 0830 UTC<br>Remarks: PVO 14 char strings with "?", "BT" sent between strings, and cut 0 noted. Contr: (Imp)                                     |
| 9222    | M21   | Mode: CW Date/time: 30-8-2010, 1215 UTC<br>Remarks: BT 99?1615?9????? Contr: (JP-SE)                                                                                           |
| 9264    | M12   | Mode: CW Date/time: Thu 5-8-2010, 1820 UTC<br>Remarks: 124 1 Contr: (HFD)                                                                                                      |
| 9264    | M12   | Mode: CW Date/time: 5-8-2010, 1820 UTC<br>Remarks: 124 1 6167 55 66050 Contr: (FN)                                                                                             |
| 9267    | XPA   | Mode: AM Date/time: Sun 1-8-2010, 1440 UTC<br>Remarks: msg Contr: (HFD)                                                                                                        |
| 9283    | XPA   | Mode: MFSK-20/10/520 Date/time: 10-8-2010, 1140 UTC<br>Remarks: 938 938 938 1 into 5F msg Contr: (PPA)                                                                         |
| 9324    | M12   | Mode: CW Date/time: Thu 12-8-2010, 0430 UTC<br>Remarks: 134 0 Contr: (HFD)                                                                                                     |
| 9371    | E11   | Mode: USB Date/time: Thu 12-8-2010, 0630 UTC<br>Remarks: 649/00 Contr: (HFD)                                                                                                   |
| 9387    | XPA   | Mode: AM Date/time: Tue 3-8-2010, 1810 UTC<br>Remarks: msg Contr: (HFD)                                                                                                        |
| 9450    | X06   | Mode: AM Date/time: 3-8-2010, 0807 UTC<br>Remarks: Mazielka. Sequence: 165423 Contr: (HS2)                                                                                     |
| 9655    | S06s  | Mode: AM Date/time: 13-8-2010, 0940 UTC<br>Remarks: 516 208 7 31565 Contr: (FN)                                                                                                |
| 9930    | X06   | Mode: AM Date/time: 4-8-2010, 0523 UTC<br>Remarks: Mazielka. Sequence: 256134 until 0614 UTC.<br>Then it started again two minutes later and stopped at 0620 UTC. Contr: (HS2) |
| 9967    | XPA   | Mode: AM Date/time: Sun 1-8-2010, 1420 UTC<br>Remarks: msg Contr: (HFD)                                                                                                        |
| †3755.2 | S30   | Mode: CW Date/time: 11-8-2010, 2003 UTC<br>Remarks: The Pip Contr: (MPJ)                                                                                                       |
| †3755.2 | S30   | Mode: CW Date/time: 12-8-2010, 2111 UTC<br>Remarks: The Pip slightly off freq. Contr: (AB)                                                                                     |
| †3828.9 | S32   | Mode: USB Date/time: 6-8-2010, 2114 UTC<br>Remarks: Squeaky Wheel Contr: (AB)                                                                                                  |
| †4225   | M89   | Mode: CW Date/time: 14-8-2010, 1206 UTC                                                                                                                                        |

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|         |      | Remarks: V 7NPE 7NPE 7NPE DE QV5B QV5B (AB-HK)                                                                                         |
|         |      | Contr: (AB-HK)                                                                                                                         |
| †6904   | M12  | Mode: CW Date/time: 5-8-2010, 1940 UTC<br>Remarks: 257 1 3685 67 56059 Contr: (FN)                                                     |
| 10118   | XPA  | Mode: AM Date/time: Tue 3-8-2010, 0600 UTC<br>Remarks: msg Contr: (HFD)                                                                |
| 10163   | G06  | Mode: AM Date/time: Sat 7-8-2010, 2035 UTC<br>Remarks: 364 0 Contr: (HFD)                                                              |
| 10170   | S06  | Mode: AM Date/time: 4-8-2010, 1851 UTC<br>Remarks: "Tre Shym Ajym" (371) Contr: (Imp)                                                  |
| 10202   | X06  | Mode: AM Date/time: 5-8-2010, 1835 UTC<br>Remarks: Mazielka. Sequence: 215346 Contr: (FN)                                              |
| 10210   | S11a | Mode: USB Date/time: Tue 3-8-2010, 0730 UTC<br>Remarks: 426/00 Contr: (HFD)                                                            |
| 10231.0 | ---  | Mode: USB Date/time: Sun 1-8-2010, 0500 UTC<br>Remarks: female...."ready ready ready"...412 ID x10....5<br>fg groups "000 Contr: (Tal) |
| 10244   | E07  | Mode: AM Date/time: 13-8-2010, 1140 UTC<br>Remarks: EE/OM 037 037 037 1 => 4563 64 => 5F<br>message => 000 000 Contr: (PPA)            |
| 10255.0 | ---  | Mode: USB Date/time: Sun 1-8-2010, 1600 UTC<br>Remarks: counting vietnamese numbers, today not<br>bound into groups Contr: (phoenix)   |
| 10257   | XPA  | Mode: AM Date/time: 4-8-2010, 1140 UTC<br>Remarks: Contr: (PPA)                                                                        |
| 10290   | S06s | Mode: AM Date/time: 13-8-2010, 0930 UTC<br>Remarks: 516 208 7 31565 Contr: (FN)                                                        |
| 10343   | M12  | Mode: CW Date/time: 5-8-2010, 1800 UTC<br>Remarks: 124 1 6167 55 66050 Contr: (FN)                                                     |
| 10380   | S06  | Mode: AM Date/time: Mon 23-8-2010, 2015 UTC<br>Remarks: 723 0 Contr: (HFD)                                                             |
| 10414   | M12  | Mode: CW Date/time: Wed 4-8-2010, 1740 UTC<br>Remarks: 524 1 Contr: (HFD)                                                              |
| 10423.0 | M08a | Mode: MCW Date/time: Mon 2-8-2010, 0900 UTC<br>Remarks: Contr: (AnVA)                                                                  |
| 10432.0 | M08a | Mode: MCW Date/time: Sun 8-8-2010, 0900 UTC<br>Remarks: 5f cut nums: 77132 27662 22801 VG sig.<br>Contr: (westli)                      |
| 10432.0 | M08a | Mode: MCW Date/time: Mon 9-8-2010, 0900 UTC<br>Remarks: 5f cut nums: 76732 84032 16362 Good sig.<br>Contr: (westli)                    |
| 10432.0 | M08a | Mode: CW Date/time: Fri 20-8-2010, 0900 UTC<br>Remarks: 5f cut nums: 81681 87691 86761 Good sig.<br>Contr: (westli)                    |
| 10432.0 | M08a | Mode: MCW Date/time: Mon 23-8-2010, 0900 UTC<br>Remarks: 5f cut nums: 72361 ..... Very weak sig.<br>QSB Contr: (westli)                |
| 10432.0 | M08a | Mode: MCW Date/time: Fri 27-8-2010, 0900 UTC                                                                                           |

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|         |      | Remarks: 5f cut nums: 13821 ..... Very weak sig.<br>QSB Contr: (westli)                                                                    |
| 10432.0 | M08a | Mode: MCW Date/time: Sun 29-8-2010, 0900 UTC<br>Remarks: 5f cut nums: 85482 73031 13022 Weak sig.<br>QSB Contr: (westli)                   |
| 10432.0 | M08a | Mode: MCW Date/time: Mon 30-8-2010, 0900 UTC<br>Remarks: 5f cut nums: 05602 67441 16232 Weak sig.<br>Contr: (westli)                       |
| 10445.0 | M08a | Mode: CW Date/time: Thu 19-8-2010, 0300 UTC<br>Remarks: 5f cut nums: 05502 80171 07422 Good sig.<br>Contr: (westli)                        |
| 10445.0 | M08a | Mode: CW Date/time: Thu 19-8-2010, 0400 UTC<br>Remarks: 5f cut nums: 05502 80171 07422 Good sig.<br>Contr: (westli)                        |
| 10504   | E07  | Mode: AM Date/time: Sun 1-8-2010, 1740 UTC<br>Remarks: 305 1 Contr: (HFD)                                                                  |
| 10522   | V13  | Mode: USB Date/time: 14-8-2010, 1228 UTC<br>Remarks: New Star in progress Contr: (AB-HK)                                                   |
| 10522.0 | V13  | Mode: USB Date/time: Tue 3-8-2010, 0600 UTC<br>Remarks: CCYL. New Star #4. msg set: 7-5. Very weak.<br>Very poor readabil Contr: (westli)  |
| 10522.0 | V13  | Mode: USB Date/time: Tue 3-8-2010, 1200 UTC<br>Remarks: CCYL. New Star #4. msg set: 7-5. Good sig.<br>Good readability. Contr: (westli)    |
| 10522.0 | V13  | Mode: USB Date/time: Tue 3-8-2010, 1300 UTC<br>Remarks: CCYL. New Star #4. msg set: 7-5. Good sig.<br>Good readability. Contr: (westli)    |
| 10522.0 | V13  | Mode: USB Date/time: Sat 7-8-2010, 1200 UTC<br>Remarks: CCYL. New Star #4. msg set: 8-1. stops after<br>4th msg. Very weak Contr: (westli) |
| 10522.0 | V13  | Mode: USB Date/time: Sat 7-8-2010, 1300 UTC<br>Remarks: CCYL. New Star #4. msg set: 8-1. stops after<br>4th msg. Poor rea Contr: (westli)  |
| 10522.0 | V13  | Mode: USB Date/time: Sun 8-8-2010, 1200 UTC<br>Remarks: CCYL. New Star #4. msg set: 8-1. Very weak.<br>Very poor readabil Contr: (westli)  |
| 10522.0 | V13  | Mode: USB Date/time: Mon 9-8-2010, 1200 UTC<br>Remarks: CCYL. New Star #4. msg set: 8-1. Weak. Very<br>poor readability. Contr: (westli)   |
| 10522.0 | V13  | Mode: USB Date/time: Tue 10-8-2010, 1300 UTC<br>Remarks: CCYL. New Star #4. msg set: 8-1. Fair<br>readability. Contr: (westli)             |
| 10522.0 | V13  | Mode: USB Date/time: Thu 12-8-2010, 1200 UTC<br>Remarks: CCYL. New Star #4. msg set: 8-2. Weak. Poor<br>readability. Contr: (westli)       |
| 10522.0 | V13  | Mode: USB Date/time: Thu 12-8-2010, 1300 UTC<br>Remarks: CCYL. New Star #4. msg set: 8-2. Fair<br>readability. Contr: (westli)             |

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| 10522.0 | V13 | Mode: USB Date/time: Fri 13-8-2010, 1200 UTC<br>Remarks: CCYL. New Star #4. msg set: 8-2. Weak. Poor readability. Only Contr: (westli)    |
| 10522.0 | V13 | Mode: USB Date/time: Sun 15-8-2010, 0600 UTC<br>Remarks: CCYL New Star #4. msg set 8-2 Very weak. Very poor readability. Contr: (westli)  |
| 10522.0 | V13 | Mode: USB Date/time: Sun 15-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4 msg set 8-2 Fair readability. Contr: (westli)                   |
| 10522.0 | V13 | Mode: USB Date/time: Sun 15-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4 msg set 8-2 Fair readability. Contr: (westli)                   |
| 10522.0 | V13 | Mode: USB Date/time: Mon 16-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-2. Very weak. Very poor readabilit Contr: (westli)  |
| 10522.0 | V13 | Mode: USB Date/time: Mon 16-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-2. Very weak. Very poor readabilit Contr: (westli)  |
| 10522.0 | V13 | Mode: USB Date/time: Tue 17-8-2010, 0600 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-2. Very weak. Very poor readabilit Contr: (westli)  |
| 10522.0 | V13 | Mode: USB Date/time: Wed 18-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-2. Very weak. Very poor readabilit Contr: (westli)  |
| 10522.0 | V13 | Mode: USB Date/time: Wed 18-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-2. Very weak. Very poor readabilit Contr: (westli)  |
| 10522.0 | V13 | Mode: USB Date/time: Thu 19-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-3. Fair readability. Contr: (westli)                |
| 10522.0 | V13 | Mode: USB Date/time: Thu 19-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-3. Sig ceased 2 min before end of s Contr: (westli) |
| 10522.0 | V13 | Mode: USB Date/time: Fri 20-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-3. Weak. Poor readability. Contr: (westli)          |
| 10522.0 | V13 | Mode: USB Date/time: Fri 20-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-3. Weak. Poor readability. Contr: (westli)          |
| 10522.0 | V13 | Mode: USB Date/time: Sat 21-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-3. Very weak. Very poor readabilit Contr: (westli)  |
| 10522.0 | V13 | Mode: USB Date/time: Sat 21-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-3. Weak. Very poor readability. Contr: (westli)     |
| 10522.0 | V13 | Mode: USB Date/time: Mon 23-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-3. Weak. Very poor readability. Contr: (westli)     |

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| 10522.0 | V13 | Mode: USB Date/time: Mon 23-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-3. Very strong noise bursts. Very Contr: (westli)  |
| 10522.0 | V13 | Mode: USB Date/time: Tue 24-8-2010, 0600 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-3. Very weak. Very poor readabilit Contr: (westli) |
| 10522.0 | V13 | Mode: USB Date/time: Tue 24-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-3. Very weak. Very poor readabilit Contr: (westli) |
| 10522.0 | V13 | Mode: USB Date/time: Tue 24-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-3. Extremely weak. Not readable. Contr: (westli)   |
| 10522.0 | V13 | Mode: USB Date/time: Thu 26-8-2010, 0600 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-4. Very weak. Very poor readabilit Contr: (westli) |
| 10522.0 | V13 | Mode: USB Date/time: Thu 26-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-4. Very weak. Very poor readabilit Contr: (westli) |
| 10522.0 | V13 | Mode: USB Date/time: Thu 26-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-4. Very weak. Very poor readabilit Contr: (westli) |
| 10522.0 | V13 | Mode: USB Date/time: Fri 27-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-4. Weak. Fair readability. Contr: (westli)         |
| 10522.0 | V13 | Mode: USB Date/time: Fri 27-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-4. Weak. Poor readability. Contr: (westli)         |
| 10522.0 | V13 | Mode: USB Date/time: Sun 29-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-4. Very weak. Very poor readabilit Contr: (westli) |
| 10522.0 | V13 | Mode: USB Date/time: Sun 29-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-4. Weak. Poor readability. Contr: (westli)         |
| 10522.0 | V13 | Mode: USB Date/time: Mon 30-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-4. Poor readability. Up 2 min la Contr: (westli)   |
| 10522.0 | V13 | Mode: USB Date/time: Tue 31-8-2010, 1200 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-4. Weak. Fair readability. Contr: (westli)         |
| 10522.0 | V13 | Mode: USB Date/time: Tue 31-8-2010, 1300 UTC<br>Remarks: CCYL New Star #4. Msg set: 8-4. Weak. Poor readability. Contr: (westli)         |
| 10640   | M89 | Mode: CW Date/time: 2-8-2010, 0720 UTC<br>Remarks: VVV Q2M DE NYZ (R5) Contr: (JPL-HK)                                                   |
| 10640   | M89 | Mode: CW Date/time: 6-8-2010, 0220 UTC<br>Remarks: VVV Q2M Q2M Q2M DE NYZ NYZ (R5) //6840<br>Contr: (JPL-HK)                             |
| 10640   | M89 | Mode: CW Date/time: 15-8-2010, 1023 UTC                                                                                                  |



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|         |      | Remarks: VVV Q2M DE NYZ in progress //6840 kHz<br>Contr: (JPL-HK)                                                                   |
| 10753   | E07  | Mode: AM Date/time: Thu 26-8-2010, 2010 UTC<br>Remarks: 716 0 Contr: (HFD)                                                          |
| 10787   | XPA  | Mode: AM Date/time: Tue 3-8-2010, 1750 UTC<br>Remarks: msg Contr: (HFD)                                                             |
| 10818   | M12  | Mode: CW Date/time: 11-8-2010, 1540 UTC<br>Remarks: 991 1 620 135 05749 Contr: (FN)                                                 |
| 10857.0 | M08a | Mode: CW Date/time: Wed 18-8-2010, 1400 UTC<br>Remarks: 5f cut nums: ..... Good sig. Up late IP.<br>Contr: (westli)                 |
| 10857.0 | M08a | Mode: CW Date/time: Wed 25-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 07302 43221 47301 Good sig.<br>Contr: (westli)                 |
| 10871.7 | MX   | Mode: CW Date/time: 20-8-2010, 1551 UTC<br>Remarks: Beacon "D" Sevastopol Contr: (norave)                                           |
| 10871.7 | MX   | Mode: CW Date/time: 26-8-2010, 2047 UTC<br>Remarks: Beacon "D" Sevastopol Contr: (MPJ)                                              |
| 10871.9 | MX   | Mode: CW Date/time: 20-8-2010, 1551 UTC<br>Remarks: Beacon "S" Sevoromorsk Contr: (norave)                                          |
| 10871.9 | MX   | Mode: CW Date/time: 26-8-2010, 2047 UTC<br>Remarks: Beacon "S" Severomorsk. Contr: (MPJ)                                            |
| 10872   | MX   | Mode: CW Date/time: 20-8-2010, 1551 UTC<br>Remarks: Beacon "C" Moscow Contr: (norave)                                               |
| 10872   | MX   | Mode: CW Date/time: 26-8-2010, 2047 UTC<br>Remarks: Beacon "C" Moscow Contr: (MPJ)                                                  |
| 10872.1 | MX   | Mode: CW Date/time: 20-8-2010, 1551 UTC<br>Remarks: Beacon "A" Astrakhan Contr: (norave)                                            |
| 10872.4 | MX   | Mode: CW Date/time: 14-8-2010, 1238 UTC<br>Remarks: Beacon "M" Magadan Contr: (AB-HK)                                               |
| 10874   | M42  | Mode: Baudot 50/500 Date/time: 17-8-2010, 1432 UTC<br>Remarks: Russian Gov/Intel. 5FG message with =50=<br>group count Contr: (PPA) |
| 10967   | XPA  | Mode: AM Date/time: Sun 1-8-2010, 1400 UTC<br>Remarks: msg Contr: (HFD)                                                             |
| 11116   | E11  | Mode: USB Date/time: Mon 9-8-2010, 0850 UTC<br>Remarks: 534/00 weak Contr: (HFD)                                                    |
| 11118   | XPA  | Mode: AM Date/time: Tue 3-8-2010, 0620 UTC<br>Remarks: msg Contr: (HFD)                                                             |
| 11565.0 | M08a | Mode: CW Date/time: Thu 12-8-2010, 0400 UTC<br>Remarks: 5f cut nums: 62131 84721 81081 Good sig.<br>Contr: (westli)                 |
| 12088   | E07  | Mode: AM Date/time: Sun 1-8-2010, 1720 UTC<br>Remarks: 305 1 Contr: (HFD)                                                           |
| 12118   | XPA  | Mode: AM Date/time: Tue 3-8-2010, 0640 UTC<br>Remarks: msg Contr: (HFD)                                                             |
| 12130.0 | M08a | Mode: CW Date/time: Mon 30-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 31021 18612 37521 Weak sig.                                    |

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|         |      | Contr: (westli)                                                                                                                               |
| 12134.0 | M08a | Mode: CW Date/time: Mon 9-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 84012 43701 84811 Good sig.<br>Contr: (westli)                            |
| 12134.0 | M08a | Mode: CW Date/time: Thu 12-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 15721 35652 30271 Contr: (westli)                                        |
| 12134.0 | M08a | Mode: AM Date/time: Thu 19-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 05481 11722 04141 Very weak sig. Contr: (westli)                         |
| 12134.0 | M08a | Mode: CW Date/time: Mon 23-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 87682 47402 66351 Good sig. Contr: (westli)                              |
| 12134.0 | M08a | Mode: CW Date/time: Thu 26-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 08241 84621 88241 Weak sig. Heavy QRM. Contr: (westli)                   |
| 12155   | S06s | Mode: AM Date/time: Thu 5-8-2010, 1200 UTC<br>Remarks: 425-971/7=35816 ex 10410 kHz Contr: (HFD)                                              |
| 12157   | M12  | Mode: CW Date/time: Thu 5-8-2010, 0620 UTC<br>Remarks: 857 0 Contr: (HFD)                                                                     |
| 12157   | X06  | Mode: AM Date/time: 24-8-2010, 1434 UTC<br>Remarks: Mazielka. Sequence: 156423. Then, after around 40secs, it changed to 165423! Contr: (HS2) |
| 12180.0 | V02a | Mode: AM Date/time: Thu 19-8-2010, 1900 UTC<br>Remarks: SSYL: ..... Very weak sig. Up late IP. Contr: (westli)                                |
| 12187   | XPA  | Mode: AM Date/time: Tue 3-8-2010, 1730 UTC<br>Remarks: msg Contr: (HFD)                                                                       |
| 12193   | M12  | Mode: CW Date/time: 13-8-2010, 1940 UTC<br>Remarks: 851 1 9962 93 73352 Contr: (FN)                                                           |
| 12214   | M12  | Mode: CW Date/time: Wed 4-8-2010, 1720 UTC<br>Remarks: 524 1 Contr: (HFD)                                                                     |
| 12218   | M12  | Mode: CW Date/time: 11-8-2010, 1520 UTC<br>Remarks: 991 1 620 135 05749 Contr: (FN)                                                           |
| 12924   | E11  | Mode: USB Date/time: Sun 1-8-2010, 1130 UTC<br>Remarks: 757/10 Contr: (HFD)                                                                   |
| 12924   | E11  | Mode: USB Date/time: Mon 2-8-2010, 1205 UTC<br>Remarks: 754/555/00 Contr: (HFD)                                                               |
| 13375.0 | M08a | Mode: CW Date/time: Fri 20-8-2010, 1400 UTC<br>Remarks: 5f cut nums: ..... Good sig. Up late IP. Contr: (westli)                              |
| 13375.0 | M08a | Mode: CW Date/time: Fri 27-8-2010, 1400 UTC<br>Remarks: 5f cut nums: 57781 05852 25332 Good sig. Contr: (westli)                              |
| 13380.0 | V02a | Mode: AM Date/time: Tue 10-8-2010, 2000 UTC<br>Remarks: SSYL: ..... Up late IP. Contr: (westli)                                               |
| 13380.0 | V02a | Mode: AM Date/time: Thu 19-8-2010, 2000 UTC<br>Remarks: SSYL: ..... Too weak to copy Contr:                                                   |

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|         |      | (westli)                                                                                                                |
| 13380.0 | V02a | Mode: AM Date/time: Tue 24-8-2010, 2000 UTC<br>Remarks: SSYL atencion: 27412 61182 30822 Very weak sig. Contr: (westli) |
| 13380.0 | V02a | Mode: AM Date/time: Thu 26-8-2010, 2000 UTC<br>Remarks: SSYL atencion: 87822 28802 60061 Very weak sig. Contr: (westli) |
| 13380.0 | V02a | Mode: AM Date/time: Tue 31-8-2010, 2000 UTC<br>Remarks: SSYL atencion: 81841 01241 36831 Contr: (westli)                |
| 13388   | E07  | Mode: AM Date/time: Sun 1-8-2010, 1700 UTC<br>Remarks: 305 1-598/73=03779 Contr: (HFD)                                  |
| 13458   | E07  | Mode: AM Date/time: Mon 2-8-2010, 1920 UTC<br>Remarks: 349 0 Contr: (HFD)                                               |
| 13514   | M12  | Mode: CW Date/time: Wed 4-8-2010, 1700 UTC<br>Remarks: 524 1 Contr: (HFD)                                               |
| 13527.7 | MX   | Mode: CW Date/time: 7-8-2010, 0615 UTC<br>Remarks: Beacon "D" Sevastopol Contr: (AB)                                    |
| 13527.7 | MX   | Mode: CW Date/time: 11-8-2010, 1254 UTC<br>Remarks: Beacon "D" Odessa/Sevastopol Contr: (MPJ)                           |
| 13527.7 | MX   | Mode: CW Date/time: 20-8-2010, 1551 UTC<br>Remarks: Beacon "D" Sevastopol Contr: (norave)                               |
| 13527.8 | MX   | Mode: CW Date/time: 7-8-2010, 0615 UTC<br>Remarks: Beacon "P" Kaliningrad Contr: (AB)                                   |
| 13527.8 | MX   | Mode: CW Date/time: 11-8-2010, 1254 UTC<br>Remarks: Beacon "P" Kaliningrad Contr: (MPJ)                                 |
| 13528   | MX   | Mode: CW Date/time: 20-8-2010, 1551 UTC<br>Remarks: Beacon "C" Moscow Contr: (norave)                                   |
| 13528.0 | MX   | Mode: CW Date/time: 8-8-2010, 0544 UTC<br>Remarks: Beacon "C" Moscow Contr: (AB)                                        |
| 13528.1 | MX   | Mode: CW Date/time: 7-8-2010, 0615 UTC<br>Remarks: Beacon "A" Astrakhan Contr: (AB)                                     |
| 13528.1 | MX   | Mode: CW Date/time: 8-8-2010, 0544 UTC<br>Remarks: Beacon "A" Astrakhan Contr: (AB)                                     |
| 13528.1 | MX   | Mode: CW Date/time: 11-8-2010, 1254 UTC<br>Remarks: Beacon "A" Astrakhan Contr: (MPJ)                                   |
| 13528.1 | MX   | Mode: CW Date/time: 14-8-2010, 0518 UTC<br>Remarks: Beacon "A" Astrakhan Contr: (AB-HK)                                 |
| 13528.1 | MX   | Mode: CW Date/time: 20-8-2010, 1551 UTC<br>Remarks: Beacon "A" Astrakhan Contr: (norave)                                |
| 13528.2 | MX   | Mode: CW Date/time: 8-8-2010, 0544 UTC<br>Remarks: Beacon "F" Vladivostok Contr: (AB-HK)                                |
| 13528.2 | MX   | Mode: CW Date/time: 24-8-2010, 0456 UTC<br>Remarks: Beacon "F" Vladivostok Contr: (AB)                                  |
| 13528.4 | MX   | Mode: CW Date/time: 7-8-2010, 0601 UTC<br>Remarks: Beacon "M" Magadan Contr: (AB-HK)                                    |
| 13528.4 | MX   | Mode: CW Date/time: 8-8-2010, 0544 UTC<br>Remarks: Beacon "M" Magadan Contr: (AB-HK)                                    |

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| 13528.4 | MX   | Mode: CW Date/time: 14-8-2010, 0518 UTC<br>Remarks: Beacon "M" Magadan Contr: (AB-HK)                                                                                                        |
| 13528.4 | MX   | Mode: CW Date/time: 24-8-2010, 0456 UTC<br>Remarks: Beacon "M" Magadan Contr: (AB)                                                                                                           |
| 13530.0 | M?   | Mode: CW Date/time: Thu 19-8-2010, 0500 UTC<br>Remarks: Heard "M" being repeated. Super weak! Contr:<br>(BCA)                                                                                |
| 13593   | M12  | Mode: CW Date/time: 13-8-2010, 1920 UTC<br>Remarks: 851 1 9962 93 73352 Contr: (FN)                                                                                                          |
| 13908   | E11  | Mode: USB Date/time: Sun 1-8-2010, 1550 UTC<br>Remarks: 643/27 Contr: (HFD)                                                                                                                  |
| 13908   | E11  | Mode: USB Date/time: Sun 1-8-2010, 1730 UTC<br>Remarks: 643/22 Contr: (HFD)                                                                                                                  |
| 13908   | E11  | Mode: USB Date/time: Wed 11-8-2010, 1730 UTC<br>Remarks: 643/23-44321 Contr: (HFD)                                                                                                           |
| 13908   | E11  | Mode: USB Date/time: Thu 12-8-2010, 1730 UTC<br>Remarks: 645/26 Contr: (HFD)                                                                                                                 |
| 13908   | E11  | Mode: USB Date/time: Fri 13-8-2010, 1730 UTC<br>Remarks: 648/31 Contr: (HFD)                                                                                                                 |
| 13908   | E11a | Mode: USB Date/time: 11-8-2010, 1730 UTC<br>Remarks: 643/23 44321 46263 69949 09338 13663<br>27210 10562 47155 85799 55511 27859 26370 70880<br>91443 95917 51542 60383 09464 7 Contr: (MUK) |
| 14378   | E07  | Mode: AM Date/time: Mon 2-8-2010, 1900 UTC<br>Remarks: 349 0 Contr: (HFD)                                                                                                                    |
| 14468   | M12  | Mode: CW Date/time: 5-8-2010, 1310 UTC<br>Remarks: 451 451 000 repeated. Contr: (MPJ)                                                                                                        |
| 14650   | X06  | Mode: AM Date/time: 6-8-2010, 0740 UTC<br>Remarks: Mazielka. Sequence: 215346 Contr: (XSH)                                                                                                   |
| 14650   | X06  | Mode: AM Date/time: 6-8-2010, 0850 UTC<br>Remarks: Mazielka. Sequence: 215346 Contr: (XSH)                                                                                                   |
| 14893   | M12  | Mode: CW Date/time: 13-8-2010, 1900 UTC<br>Remarks: 851 1 9962 93 73352 Contr: (FN)                                                                                                          |
| 15720   | E11? | Mode: USB Date/time: 24-8-2001, 1435 UTC<br>Remarks: YL/EE. 5FGs; pronounced Five as fiver and<br>Nine as niner. Ends with "OUT" Contr: (EPA)                                                |
| 15899   | M51  | Mode: CW Date/time: 4-8-2010, 1710 UTC<br>Remarks: French Mil morse training Contr: (BCI)                                                                                                    |
| 16059.5 | M42  | Mode: RUS-ARQ 100/2000 Date/time: 19-8-2010, 0704 UTC<br>Remarks: Russian Gov/Intel. Contr: (BCI)                                                                                            |
| 16167   | M42  | Mode: CROWD-36 Date/time: 18-8-2010, 0848 UTC<br>Remarks: Russian Gov/Intel. Traffic Contr: (Imp)                                                                                            |
| 16320   | X06  | Mode: AM Date/time: 6-8-2010, 0630 UTC<br>Remarks: Mazielka. Sequence: 241563 Contr: (XSH)                                                                                                   |
| 16331.7 | MX   | Mode: CW Date/time: 20-8-2010, 1833 UTC<br>Remarks: Beacon "D" Sevastopol Contr: (norave)                                                                                                    |
| 16331.9 | MX   | Mode: XW Date/time: 14-8-2010, 1244 UTC<br>Remarks: Beacon "S" Severomorsk Contr: (AB)                                                                                                       |

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| 16332.1 | MX   | Mode: CW Date/time: 7-8-2010, 0601 UTC<br>Remarks: Beacon "A" Astrakhan Contr: (AB-HK)                           |
| 16332.1 | MX   | Mode: CW Date/time: 8-8-2010, 0544 UTC<br>Remarks: Beacon "A" Astrakhan Contr: (AB-HK)                           |
| 16332.1 | MX   | Mode: CW Date/time: 14-8-2010, 0518 UTC<br>Remarks: Beacon "A" Astrakhan Contr: (AB-HK)                          |
| 16332.2 | MX   | Mode: CW Date/time: 7-8-2010, 0601 UTC<br>Remarks: Beacon "F" Vladivostok Contr: (AB-HK)                         |
| 16332.2 | MX   | Mode: CW Date/time: 8-8-2010, 0544 UTC<br>Remarks: Beacon "F" Vladivostok Contr: (AB-HK)                         |
| 16332.2 | MX   | Mode: CW Date/time: 24-8-2010, 0456 UTC<br>Remarks: Beacon "F" Vladivostok Contr: (AB)                           |
| 16332.3 | MX   | Mode: CW Date/time: 7-8-2010, 0601 UTC<br>Remarks: Beacon "K" Petropavlovsk Contr: (AB-HK)                       |
| 16332.3 | MX   | Mode: CW Date/time: 14-8-2010, 0518 UTC<br>Remarks: Beacon "K" Petropavlovsk Contr: (AB-HK)                      |
| 16332.4 | MX   | Mode: CW Date/time: 14-8-2010, 0518 UTC<br>Remarks: Beacon "M" Magadan Contr: (AB-HK)                            |
| 16332.4 | MX   | Mode: CW Date/time: 24-8-2010, 0456 UTC<br>Remarks: Beacon "M" Magadan Contr: (AB)                               |
| 16388   | S11a | Mode: USB Date/time: Mon 2-8-2010, 1000 UTC<br>Remarks: 579/38 Contr: (HFD)                                      |
| 16530   | E11  | Mode: USB Date/time: Sun 1-8-2010, 1320 UTC<br>Remarks: 648/20 Contr: (HFD)                                      |
| 16530.0 | E11  | Mode: USB Date/time: Sun 1-8-2010, 1320 UTC<br>Remarks: Contr:                                                   |
| 19110   | M42  | Mode: Baudot 75/500 Date/time: 2-8-2010, 0832 UTC<br>Remarks: Russian Gov/Intel. 5LGS. Contr: (EW)               |
| 19110   | M42  | Mode: Baudot 75/500 Date/time: 9-8-2010, 0832 UTC<br>Remarks: Russian Mil/Intel. Five letter groups. Contr: (EW) |
| 20048.2 | MX   | Mode: CW Date/time: 8-8-2010, 0544 UTC<br>Remarks: Beacon "F" Vladivostok Contr: (AB-HK)                         |
| 20048.2 | MX   | Mode: CW Date/time: 24-8-2010, 0456 UTC<br>Remarks: Beacon "F" Vladivostok Contr: (AB)                           |
| 20048.4 | MX   | Mode: CW Date/time: 14-8-2010, 0518 UTC<br>Remarks: Beacon "M" Magadan Contr: (AB-HK)                            |

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\* CONTRIBUTORS \*

|       |                                        |
|-------|----------------------------------------|
| AB    | Ary Boender, Netherlands               |
| AB-HK | Ary Boender via GlobalTuners Hong Kong |
| ALF   | Alf, Germany                           |
| all   | Allenk, AZ, USA                        |
| AnMO  | Anonymous, Missouri, USA               |

|         |                                 |
|---------|---------------------------------|
| AnNYC   | Anonymous, New York City        |
| AnVA    | Anonymous, Virginia, USA        |
| BCA     | Brandon, CA, USA                |
| BCI     | Bruno Casula, Italy             |
| BKS     | Brandon, CA, USA                |
| CVSoft  | CVSoft, CA, USA                 |
| EPA     | Eric, Atlanta, USA              |
| EW      | Eddy Waters, Australia          |
| FN      | Fritz Nusser, Switzerland       |
| GN2     | Gary Neville                    |
| HFD     | Hans-Friedrich Dumrese, Germany |
| HS2     | Hans Snekvik, W. Europe         |
| Imp     | Impaler                         |
| JPL-HK  | JPL via GlobalTuners Hong Kong  |
| JPL-SE  | JPL via GlobalTuners Sweden     |
| lasse   | Lasse, Sweden                   |
| LAZ     | Lazarus, CA, USA                |
| MPJ     | Jim, SW England                 |
| MUK     | Mikesndbs, UK                   |
| NC      | Nick, WA, USA                   |
| NG      | Nick Gessler, NC, USA           |
| Norave  | Norave (GFD)                    |
| phoenix | Phoenix                         |
| PPA     | Peter Poelstra, Netherlands     |
| Ranger  | ranger_ut, UT, USA              |
| RP      | Rimantas Pleikys, Lithuania     |
| Sferix  | Sferix, Taiwan                  |
| Tal     | Tallhill, MD, USA               |
| TI      | Tomonori Izumi, Japan           |
| Token   | T!, CA, USA                     |
| VK3FAIL | VK3FAIL, Australia              |
| VL      | Vincent Lecler, France          |
| Westli  | Westli, CA, USA                 |
| WP3     | Wolfgang Palmberger             |
| XSH     | X06 Shadow                      |
| ZW      | Zack Widup, ILL, USA            |

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Go to <http://groups.yahoo.com/group/udxf/> and follow the instructions.  
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